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To read the electric diagrams related to:

- INJECTION L-JETRONIC refer to: Group 00.
- ABS SYSTEM refer to: Group 00.
- IGNITION, STARTING, CHARGING SYSTEM refer to: Group 05.
- [CRUISE CONTROL refer to: Group 43

STANDARDS AND PRECAUTIONS FOR OPERATIONS ON ELECTRICAL SYSTEM

The electronic control units installed on the vehicle are built with components capable of withstanding the electrical loads of the system to which they belong. Consequently every system modification may directly damage the control units. For example, the control unit may supply the relay coil, but it

certainly cannot directly supply the electrical loads connected to the relay's contact. Great care must also be taken over the electrical power supply polarities, in that the control unit protection is included in the power supply system and not on the input and output connections. When installing electrical accessories

on the car, it is always advisable to disconnect the electrical control units during installation and to carry out the functional checks on the accessories with the control units disconnected. In any case, it is highly inadvisable to connect from the control units wiring.

The following precautions must therefore be taken:

- Do not connect the control unit output directly to the load.
- Under no circumstances operate directly on devices with wires connected to "positive" or to "ground", without having previously disconnected the control unit.
- Do not short-circuit the system sensors, except when this is allowed or specified in the "Workshop Manual".

The possible consequences of operating on the systems must always be anticipated to avoid the risk of damage. Whenever not all the technical data of the components concerned is perfectly known;

operations should be avoided altogether:

HOW TO READ THE WIRING DIAGRAM

WARNING:

Before starting the operations, make sure that the ignition key is in the "ST" position, and the battery ground cable disconnected.

For detection of failures present in the electric circuits, the following types of diagrams are available.

POWER SUPPLY DISTRIBUTION DIAGRAM

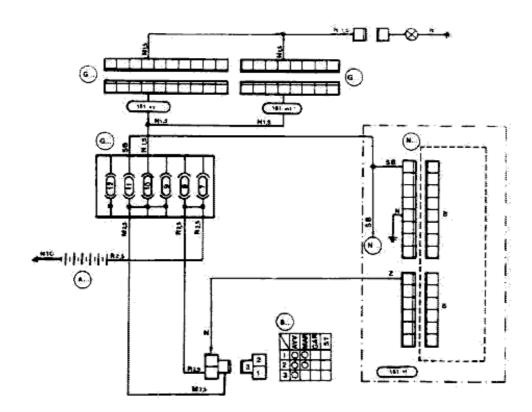
This type of diagram is helpful in the identification of specific troubles related to the part of electric diagrams concerning supply; e.g.: the windshield wiper fails to operate. A first check shows that the instrument supply is efficient.

From the distribution diagram, it can be noted that both instrument and windshield wiper are supplied via ignition switch and fusebox, it can therefore be deduced that the ignition switch operates correctly and there are no defects along the wiring between battery and switch itself... The failure must then be due either to fusebox (see: Fuses - Services Protected by Fuses) or to the parts of the electric system, that are downstream of this component that is, in the wiring, in the windshield wiper or in the ground connection. For fault identification, refer then to the windshield wiper wiring diagram.

WIRING DIAGRAM

For each load, the diagram allows the following to be identified: the type and number of connectors, the components, the terminal positions inside the connectors, color coding of wires and connector codes. In addition, for those cases where the different car versions involve variations of the electric diagram, the wiring diagram sets in evidence each variation by appropriately dividing the part of the circuit concerned.

SYMBOLS



COMPONENTS

In the wiring diagrams, each component is identified by a reference designation composed of a letter and a number (e.g. (E7)). The letter identifies the component type, according to the following symbols:

- A Start recharge
- B Manual electric controls
- C Board instruments
- D Lamp indicators
- E Outside lights
- F Inside lights
- F inside lights
- G Fusebox connector grounds
- H Switches
- I Relays
- L Transmitters
- M Electromagnets solenoid valves
- N Electronic devices inter mittences timers
- O Ancillary equipment
- P Motors
- Q Air ventilation conditioning
- A Safety devices
- S Electronic injection

The reference designation can be followed by a capital or small letter:

- the capital letter (e.g. 695)) identifies only the fuse box connectors
- the small letter (e.g. G46) dentifies the connectors having same reference number but different functions.

To identify each component, refer to "Key to Wiring Diagrams".

Variations

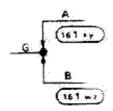
Each wiring diagram is applicable for several models of the A mileno e range.

Any variation between each model, is emphasized by the following symbols:

 the chain line, on wiring dia gram, delimits those areas containing the specific variations for the models indicated with "161.xy".



the connection identifies two wiring variations, which are present alternatively and connected to the same point. The wiring variations refer to the models indicated with the symbols "161.xy" and "161.wz" respectively.



The models of the **milence range** can be identified in the following table:

a. for XE

161.14 miano 🗭 Argento

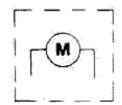
161.16 milene @ Oro

161.36 miano Pistino

b. for Y

161.24 milena Verde
161.38 Automatic
Optionals Transmission

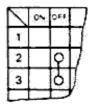
The components mounted upon request are enclosed by a dash line.



Switches

These are shown in a table.

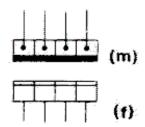
The table simulates the switch and shows, in the horizontal plane, the positions of the control or switch to be operated and, in the vertical plane, the terminals between which the continuity is generated.



in the example below, the continuity is present between terminals 2 and 3, with the control set to position OFF.

Connectors -

The figure shows the type of diagram used to identify the two connectors related to each junction: for the male connector diagram (m) is applicable, for the female connector, diagram (f) is applicable.



Cables

The indication referring to both color and section of cables, is provided near the end of each cable.

a. Cable colors

A Light blue

AB Light blue white

AG Light blue yellow

AN Light blue black

AR Light blue red

B White

BN	White black
BR	White red
BL.	Blue
BLN	Blue black
BLR	Blue red
Br	Dark brown
C	Orange
CB	Orange white:
CN	Orange black
G	Yellow
GB	Yellow white
GN	Yellow black
GR	Yellow red
GV	Yellow green
H	Grey
HG	Grey yellow
HN	Grey black
HB	Grey red
HV	Grey green
M	Brown

MB Brown white Brown yellow MG. N Black ΝZ Black purple Hazel brown No Ŕ Red RN Red black Pink S SB Pink white SN Pink black ٧ Green VΒ Green white VN Green black Z Purple ZB Purple white ZΝ Purple black

In the event of mixed color, the base color is indicated first, followed by the stripe color.

Ex.: BN = White with Black stripes

b. Cables section

The number following the cable color indication, identifies the section in mm².

Note

The cable section not indicated, is 0.5 mm² (0.00078 in²).

E.g. BN 1.5 = white cable with black stripes, having 1.5 mm² (0.00234 in²) section.

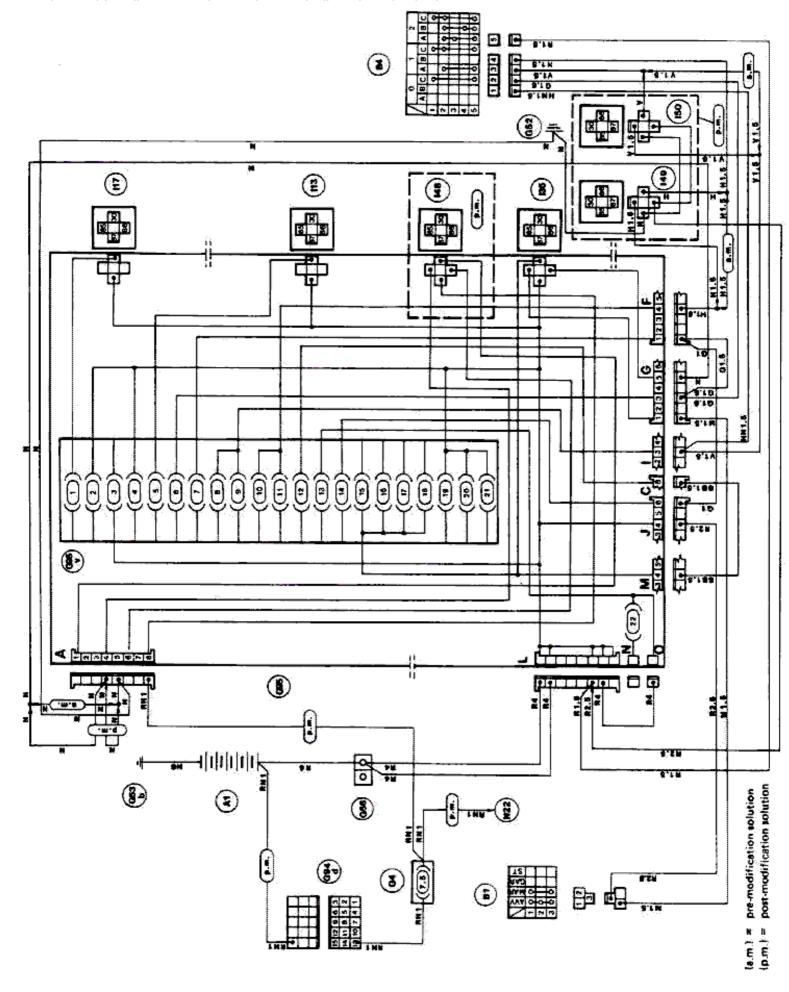
CAUTION:

It should be noted that as regards all the electrical diagrams included in this Group, the table indicating the combination switch B4 electrical connections (external lights control) has been altered as follows:

7		0			1		2		
V	A	В	u	4	ø	C	A	B	C
1			Q			Q			Q
2			П	Q	Q	Þ	Q	Q	φ
3			П				П	Q	φ
4			Π	Π			Φ	П	П
5	l		δ	Q	δ	δ	O	ō	δ

POWER SUPPLY DISTRIBUTION

POWER SUPPLY DISTRIBUTION DIAGRAM



FUSES

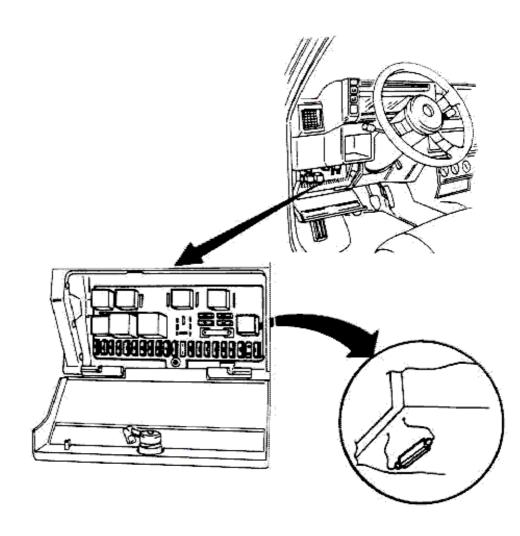
CAUTION:

- Should a fuse blow, before replacing it, make sure that the cause of failure has been removed.
- Use only fuses having same amperage. Never use fuses having amperage greater than that specified.
- Insert the fuse correctly into its housing.

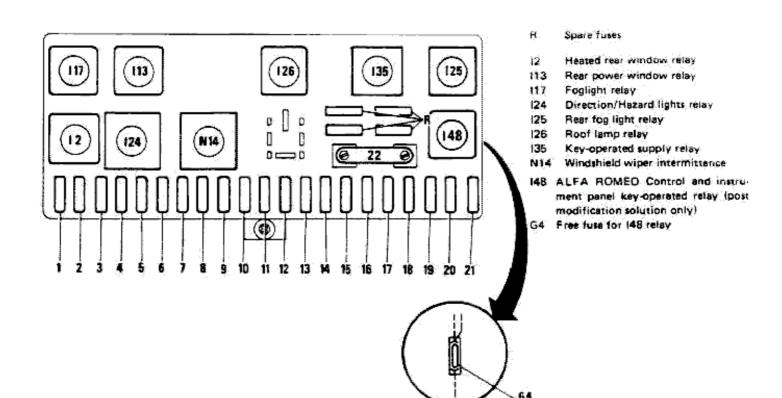
LOCATION

The fuses are arranged on the central fusebox, located in the special drawer of dashboard, on the left of the steering wheel column. In a few models, free fuses are inserted in the electric system for particular loads. Their location and the protected services, are described in the chapters related to the specific loads.

On the fusebox, four housings have been obtained for the spare fuses.



SERVICES PROTECTED BY FUSES



The following table specifies, for each model, the services which are protected by each fuse.

Table "Fuses"

			Model				
Fuse Number	Service Protected	Ampere	X8 milene				
			ARGENTO	● ORO	PLATING VERDE		
1	Fog light	15	×	×	×		
2	Door lock	10	.×	×	×		
3	External rearview mirror heaters	7.5			×		
4	Headlight washer:	20	×	* X /	×		
5	Rear power window	25	×	×	×		
	Seat back adjustment switches illumination	1		×	×		
	Front left and rear right parking lights		×	X :	×		
6	Sidemarker	7.5	×	×	×		
	Rear power window switches illumination		x	' X	×		
	Rear cigar lighter lighting	, and the same of	x	, X -	×		
	Front right and rear left parking lights		x	Х.	×		
1	Sidemarker		×	: X ⁵	×		
7	Engine compartment lamp	7.5	x	×	×		
	Trunk lamp		×	×	×		
	Licence plate lemp		×	×	*		
8	Left full beam	7.5	×	X.	×		
	Cluster full beam warning lamp		×	*	*		
9	Right full beam	7.5	. x ;	×	×		
10	Right low beam	7.5	×	'X '	х		
-11	Left low beam	7.5	×	X:	-X		
	Electric fuel pump		×				
12	+15 combined relay coil electronic injection- ignition unit	40	×	X :	×		
13	Free	7.5					
	Heater or air conditioner lighting		×	×	×		
٠.	Warning lamp panel lighting		×	* X	x		
1	ALFA ROMEO control display lighting		×	×	×		
14	Cer radio lighting	15	×	· x	×		
-	Instrumentation lighting		×		×		
ı	Switch lighting		×	×	X .		
ŀ	Front cigar lighter	1.	.x	X	×		

Table "Fuses" (continued)

Fuse Number	Service Protected	Ampere	Y? <u>milano</u> Y! milano				
			ARGENTO	● ORO	PLATING VERDE		
1	Windshield wiper motor		×	×	×		
1	Windshield washer pump		x	×	×		
1	+15 Instrumentation warning lamps	ē .	×	×	× × × × × ×		
15	+15 Heated rear window - Hazard lights switch	15	×	× × × ×	×		
1	+15 Check control unit	1	×	×	×		
	+15 Warning lamp panel		×	×	×		
	+15 Seat belt control unit		x	×	×		
	Seat back adjustment motors	1		×	×		
- 1	External rearvisw mirror adjustment motors	ğ i			×		
16	Heater	25	x	× × ×	× × ×		
	+15 Car radio		×	×	×		
	+15 Mirror switch			×	×		
	+15 Imperial roof switches		x	x	×		
17	Rear cigar lighter	20	x	×	×		
	Backup lights		x	×	×		
18	Front power windows	25	×	×	×		
	Floor tighting	77	×	×	×		
4	Passenger compartment roof lamp - spot light		x	×	×		
. di	Clock	'lf	x	×	×		
19	Vanity mirror lighting	15	x		×		
	Car radio - Electric aerial	4	×	×	×		
- 0	Direction indicators	1	x	×	×		
	Steering lock microswitch		×	×	×		
20	+30 Electronic injection control unit Electric fuel pump	15	x	×	×		
	Stop lights	-	×		×		
20:55	Backup lights	h 1	x	×	ı â		
21	Front cigar lighter	15	x	x	×		
	Fusebox lighting		Ŷ	x	×		
22	Heated rear window Differentiated heated rear window	30	x	x	×		

Free fuses

Fuse	Service Protected	Ampere	Model
	Wheel anti-lock braking system (ABS) MARK II (1)	-	건 영 영화 중
G4 Auxiliery ABS system relay		3A	
G125	ABS system	50A	
G126	Relay for ABS system control unit	30A	All models, if ABS system is present
G126	ABS system brake fluid pump relay	30A	
G4	ALFA ROMEO Control supply relay	7.5A	All models, post modification solution only

⁽¹⁾ For the location of the free fuses of the ABS system refer to "Wiring - MARK II Wheel Anti-lock Braking System (ABS) Wiring"

ELECTROMECHANIC DEVICES AND INTERMITTENCES

RELAYS

LOCATION

The relays are positioned as follows:

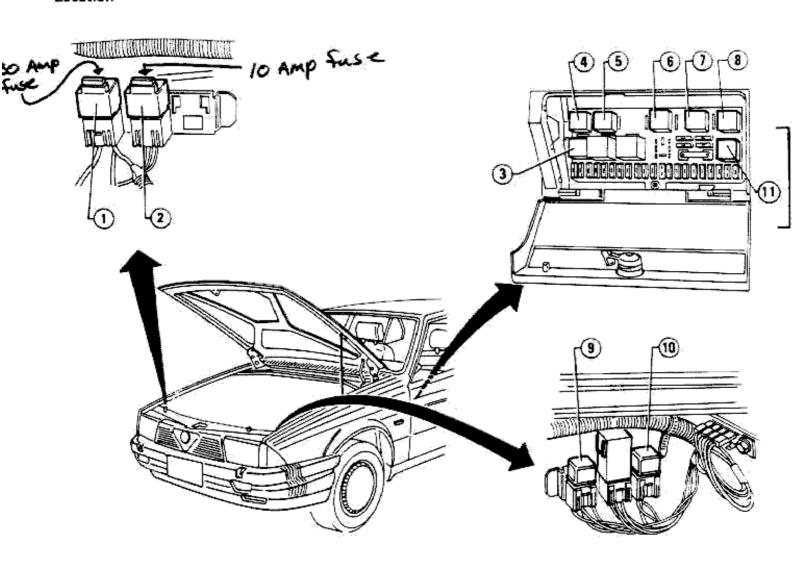
- on the central fusebox
- on the boards housed in the front right and left corners of engine compartment.

To locate each device, refer to the following figure, with the aid of the "Relays" table:

CHECK

Check that relays are in conformity with the type shown in the "Relays" table.

Location



"Relays" Table

Component			attenda en est		***	Symbols
Name	Ref. Des.	Pasit:	Vehicle	External view	Internal diagram	Symbols
Horns relay	1.3	10	Ali vehicles		× = = = = = = = = = = = = = = = = = = =	85 87 87 3 86
Engine cooling fan relay.	11	1	Ali vehicles			87 30 87 81 86
Relay for compressor electromagnetic coupling	Ĝ 17	2	Vehicles with air conditioner			86 36 87 8 85
Key - operated supply relay	1.35	7	All vehicles			30 85 8 87
Foglight relay	117	4 .				86 30 8
ALFA ROMEO Control ad instrument panel key-operated relay	148	41 (1)	All vehicles		֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓	85

⁽¹⁾ Post modification solution only

"Relays" Table (continued)

Component	1		440-10-	3		
Name	Ref. Des.	Posit:	Vehic)e	External view	Internal diagram	Symbols
Rear fog light relay	1.25	8	All vehicles			86 2 87 1 30 85
Heated rear window: relay	t: 2 :		All vehicles			86 30 87 85
Passenger compartment roof lamp relay	126	-6	Allevehicles		֓֞֜֜֜֜֜֜֜֜֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓	86 30 87 87 85
Rear power window. relay	113	.5	All vehicles			86 30 87 85
Brake fluid level switch relay.	114	9.	Alf vehicles			86 30 87 87 85

"Relays" Table (continued)

Componer	vt ·				e con for a safetic in	
Name	Ref. Des	Posit.	Vehicle	External view	Internal diagram	Symbols
Externel mirror defrost relay	145	3	ORO			87 86 85 30
Relay for ABS system control unit	137	i*)	Vehicles with wheel anti-lock system (ABS) MARK ()			86 30 87 ₂ 87 85
Auxiliary ABS system relay	- 36	(*)	Vehicles with wheel anti-lock system (ABS) MARK II			86 30 87a 87 85
Brake fluid fevel warning lamp relay	1.39	(*)	Vehicles with wheel anti-lock system (ABSI MARK I)			86 30 87a 87 85
ABS system brake fluid pump relay	40	# . #	Vehicles with wheel anti-lock system (ABS) MARK II			86 30 87 85

^[*] For the location of this component refer to "Wiring - MARK 11 wheel Antilock Braking System (ABS) Wiring"

"Relays" Table (continued)

Component						
Name	Raf. Dos.	Posit.	Vehicle	External view	Internal diagram	Symbols
Cruise Control "off/resume" switch auxiliary relay	159	(+*a).	Vehicles with Cruise Control			86 30 87 87 85

(**) For the location of this component refer to "Electronic Devices - Cruise Control".

TIMERS AND INTERMITTENCES

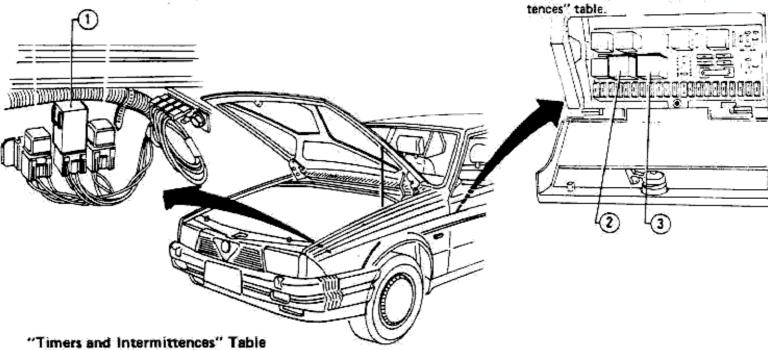
LOCATION

Timers and intermittences are located on the central fusebox. To locate the various devices, refer to

the following figure with the aid of the "Timers and Intermittences" table.

CHECK

Check that timers and intermittences are in accordance with the type shown in the "Timers and Intermit-



Componer	Component		nent		Component		váta sakir	W aling and a selection	Nicker and Africania	
Name	Ref. Des.	Posit.	Vehicle	External view	Internal diagram	Symbols				
Electronic windshield wiper intermittence	N 14	3	Ali vehicles		3, 1 2, 15 34 52 54 54 54 54 54 54 54 54 54 54 54 54 54	1V 1 11 V VI				

"Timers and Intermittences" Table (continued)

Component			Sistematical Company	External view	Internal diagram	Symbols	
Name	Ref. Des	Posit.	Vehicle	External view	internal plagram		
Direction/hazard lights intermittence	124	2	All vehicles		مَنْ فَنْ فَنَ	R + - C	
Headlamp wiper timer	N 12	, ja	All vehicles			30 S 56 31 P	

LIGHTING SYSTEM

WARNING:

Before starting the operations on the lighting system, make sure that the ignition key is in the "ST" position, and the battery ground cable disconnected.

LAMPS

TYPES OF LAMPS

CAUTION:

When replacing the lamps, use the genuine type supplied by ALFA ROMEO.

The lamps used for the vehicle are of five types; remove them following the procedure below.

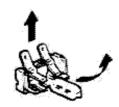
Halogen lamp - type A

To remove it from lampholder, detach the connector, remove the retaining spring and withdraw it taking the utmost care not to fouch it with bare hands.



2. Halogen lamp type A'

It is secured to lampholder by two contact clips and two fixed points. Withdraw it from lampholder by removing the two contact clips and release it from the fixed points. Take the utmost care not to touch it with bare hands.



3. Bayonet lamp - type B

To remove it from lampholder, press the bulb, rotate it counterclockwise, then withdraw it.



4. Cylindrical lamp - type C

To remove it from lampholder, release it from the contacts by pulling towards lampholder outside.



5. All-glass lamp type D

it is pressed in the lampholder, remove it by pulling the bulb to wards lampholder outside.



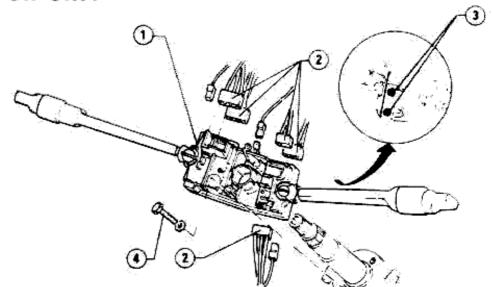
Install the lamps by reversing the order of removal.

"Lamps" Table

The lamp features (type and electric power absorbed) are listed in the following table.

Lamps,	Electric Power (W)	Туре	
Front combination lamps:			
- Low/full beam (halogen lamp)	45/68	Α	
- Front parking light	5/21	Б	
- Front direction indicator	21	B	
Fog lamp	55	A	
Sidemarker	3	Φ	
Rear combination lamps			
- Rear direction indicator	.21	В	
- Rear parking light	5	В	
- Stop light	21	В	
- Rear fog light	21	В	
Backup lamp	21	В	
Licence plate lamp	5	B.	
Cluster warning lamps :	1.2	·D;	
Cluster lighting lamps	1.2	D.	
Third stop light	21	В	
Roof lamps	10	, C	
Spot lights	:5	D	
Cigar lighter lamps	1,2	D	
Floor lighting lamp	5	D.	
Engine compartment lamp	5	°C:	
Trunk lamp	-5	Ç.	
ALFA ROMEO Control lighting lamps	1,2	Ð	

COMBINATION SWITCH UNIT



- 1 Combination switch
- 2 Connectors
- 3 Nuts
- 4 Screw

REMOVAL

- 1. Remove the steering wheel.
- Unscrew the six securing screws and remove both lower and upper sections of steering column.
- 3. With reference to the exploded view, detach connectors 2 of the combination switch unit.
- 4. Remove the combination switch unis unscrewing the two screws 4 securing it to the steering column. If necessary, disassemble the combination switch and separate the two levers by operating on nuts 3

CHECK

Check for good conditions of wiring. Ensure proper functioning of combination switch by checking, with a tester, that continuity between terminals complies with the following tables.

INSTALLATION

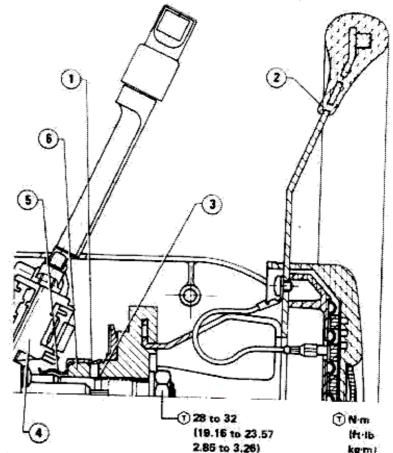
Carry out installation by reversing the order of removal, complying with the following.

 Adjust the drive position of combination switch. To do this secure drive clip of combination switch on hub aligning clip indentation with seat obtained on the hub. Perform the following to ensure the correct automatic return of direction indicators.

 Lubricate the release ring in the coupling area with the combination switch using the grease specified.

MASCHERPA - Elettrofube 2G

- Tighten the nut securing the steering wheel to the specified torque.
- Tightening torque
 Nut securing steering wheel
 28 to 32 N-m
 (19.16 to 23.57 ft-lb
 2.85 to 3.26 kg-m)

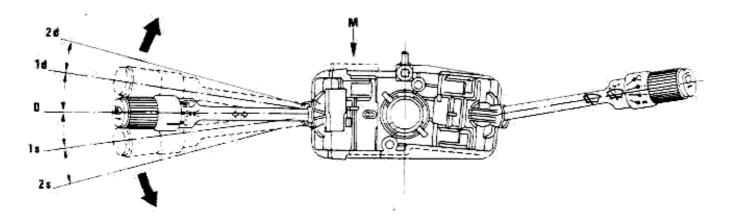


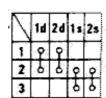
- Drive clip indentation
- 2 Steering wheel
- 3 Hub seat

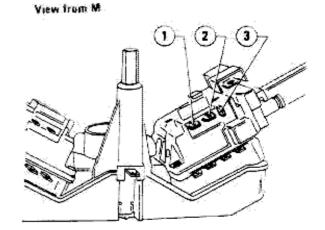
- 4 Combination switch
- 5 Drive clip
- 6 Steering wheel hub

Direction indicators control

	Control	Position	Service enabled
Leti tever	Movement paraliel to steering wheel plane	2.d 1.d 0. 1.s 2.s	- right direction fixed indicator with automatic release - right direction indicator for lane changing with automatic release - zero position - left direction indicator for lane changing with automatic release - left direction fixed indicator with automatic release

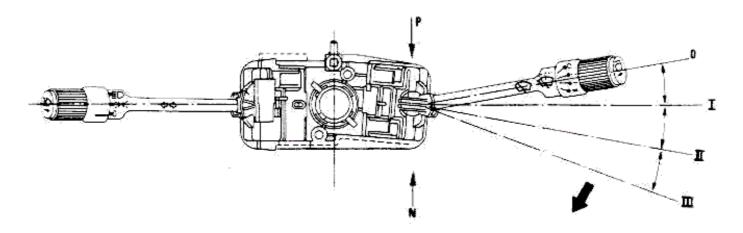


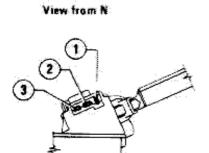




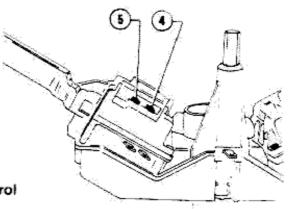
Windshield wiper control

	Control	Position	Service enabled
Alight lever	Movement parallel to steering wheel plane	0 1 2 3	- zero position (OFF) - windshield wiper intermittence (INT) - windshield wiper 1st speed (1°V) - windshield wiper 2nd speed (2°V)





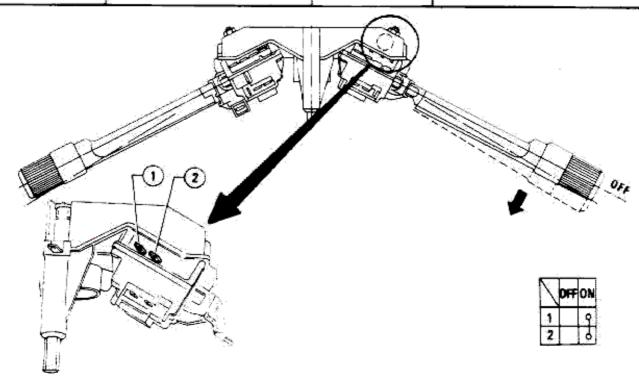
View from P



<u></u>		e NT	a vi	4 1
	Ö	Ī	Ī	亩
1	P	٩	q	
2	ò	þ		7
3		٠	Τ	
4				ρ
5		٥	٩	٥

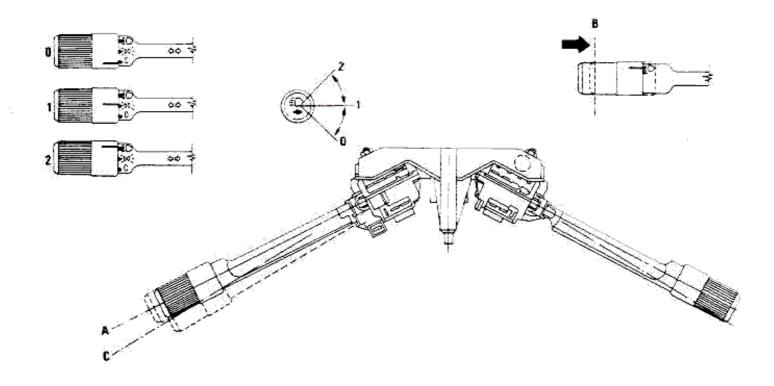
\$46.67 cm . \$. \$. \$. \$. \$. \$	4		
Windshield/	beardies a	A RESIDENCE OF THE PARTY OF THE	man and the second
T T T T T T T T T T T T T T T T T T T	THEACHAILIG	VVXIXI ME	CONTRACT

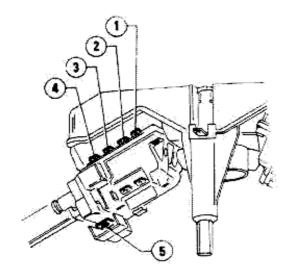
	Control		Service enabled
Right lever	Movement parallel to steering wheel axis	OFF ON	- zero position - windshield washer with wiping stroke driven by control unit - windshield washer with wiping stroke driven by control unit (paired to rotation of the left lever knob to positions 1 and 2)



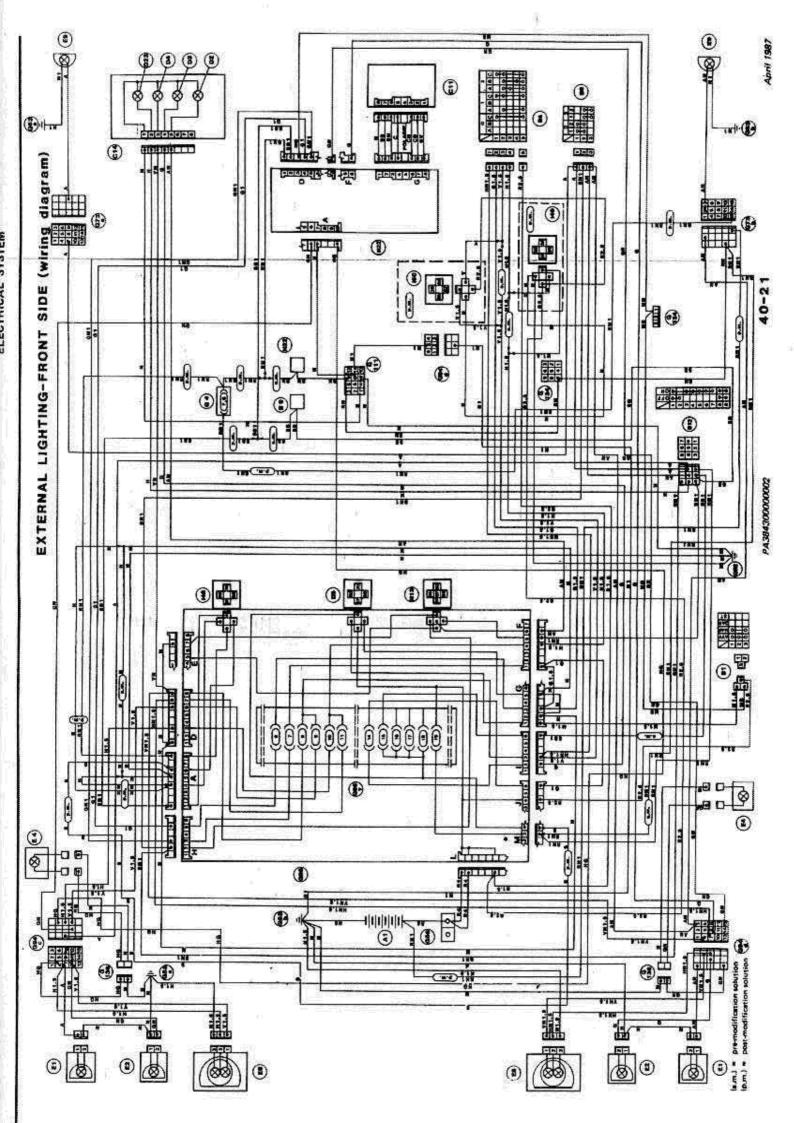
External lights control

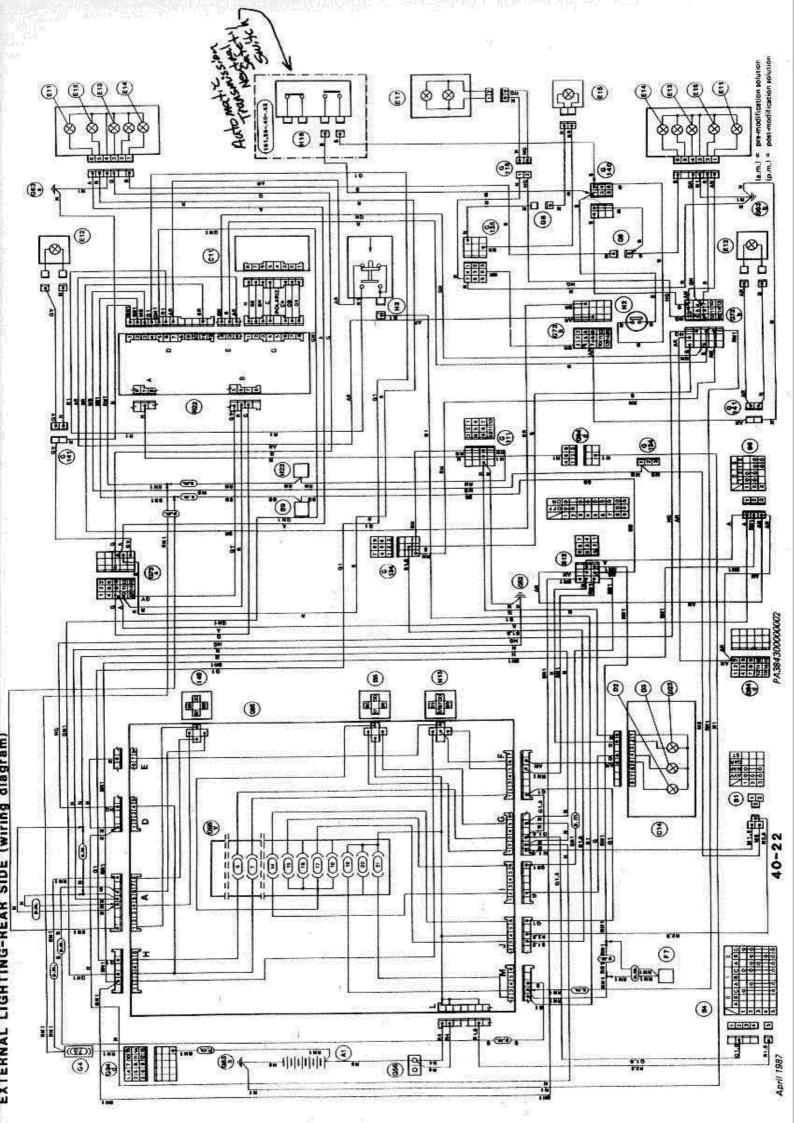
	Control	Position	Service enabled		
	Knob rotation	0; 1 2;	- zero position - parking lights - sidemarker - full beams fog light and rear fog light enabling		
Left lever	Knob pressing in the arrow direction and knob releasing	В	- low beams (paired to rotation to position 2)		
	Movement parallel to steering wheel axis	é c	- zero position - full beam flashing (paired to rotation to positions 0 and 1)		





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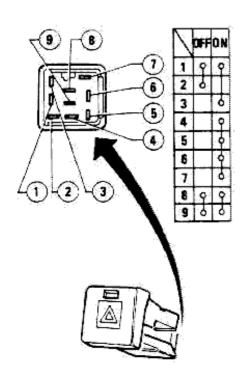
HEADLIGHT SWITCH

The parking lights/low beam/full beam switching, takes place through the knob of combination switch left lever (refer to: Combination Switch Unit).

DIRECTION INDICATOR SWITCH

The direction indicators are operated through the left lever of combination switch (refer to: Combination Switch Unit).

HAZARD LIGHT SWITCH



Location

The hazard lights switch is located on cluster left side.

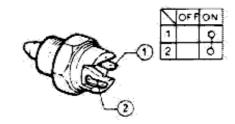
Check

Check the switch correct functioning ensuring that the continuity between terminals occurs as per the indications given in the table.

REPLACEMENT OF EXTERNAL LIGHTING WARNING LAMPS

To replace the warning lamps of parking lights, full beam headlights, direction indicators, hazard lights, refer to: Warning Lamp Panel.

BACKUP LIGHT SWITCH



Location

It is mounted on the gearbox differential casing.

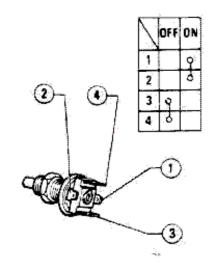
Check

Connect a tester to terminals of the backup light switch, and check the following resistance values.

When in the OFF position = ∞ When in the ON position = 0 Ω



STOP LIGHT SWITCH

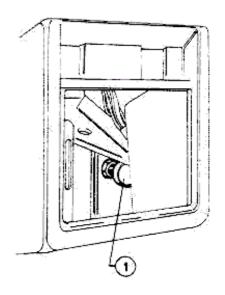


Location

The stop light switch is mounted on the special bracket on the steering column rear support.

Removal

- Remove the door lock control unit from its seat in the lower side of dashboard (underneath cluster).
- Operating from the glove box opening, unscrew the plastic nut securing switch.



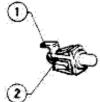
- 1. Stop light switch
- Withdraw switch from bracket, and detach wiring.
- Carry out installation by reversing the order of removal.

Check

Check the switch correct functioning, ensuring that the electric continuity between terminals is as per the indications provided in the table.

PARKING BRAKE WARNING LAMP SWITCH





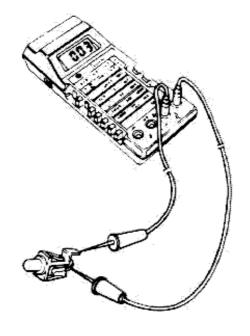
Location

It is mounted on the special bracket secured to the parking brake lever support.

Check

Connect a tester to the switch terminals and check the following resistance values.

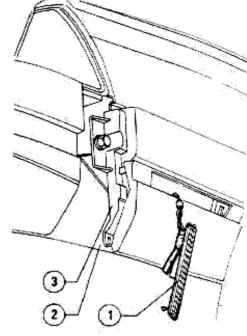
When in the OFF position = ∞ When in the ON position = 0Ω



SIDEMARKER

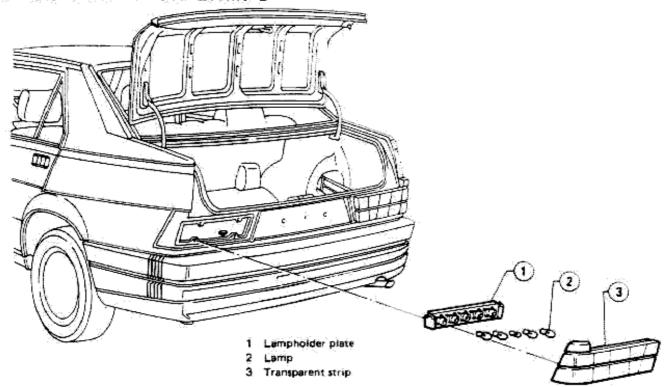
REMOVAL

- Operating from inside to outside, remove the sidemarker from its seat on the spoiler.
- 2. Remove rubber protection from its seat 3, and unhook bulb from transparent strip 1, then extract it from spoiler 2.
- 3. Carry out installation by reversing the order of removal.



- 1 Transparent strip
- 2 Spoiler
- 3 Rubber protection seat

REAR COMBINATION LAMPS



REMOVAL AND INSTALLATION

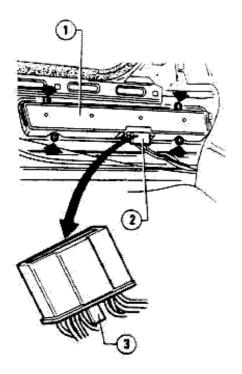
- Operating from inside the trunk; remove the rear trimming.
- 2. Detach wiring (2) by pulling lever (3) forward.
- Unscrew the five nuts securing combination lamp 1 to body, and remove.

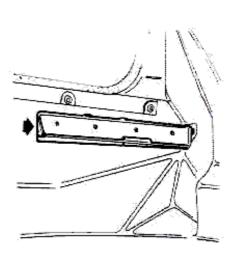
4. Install the combination lamp by reversing the order of removal.

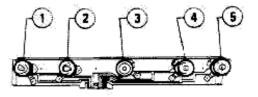
LAMP REPLACEMENT

- Open the trunk.
- Operating from inside the trunk, slowly press the lampholder plate, pull, and remove it.
- Replace the lamp and install the lampholder plate.

For the identification of lamps location, refer to the diagram below. The diagram refers to the left combination lamp; the right combination lamp is symmetrical to the left one.





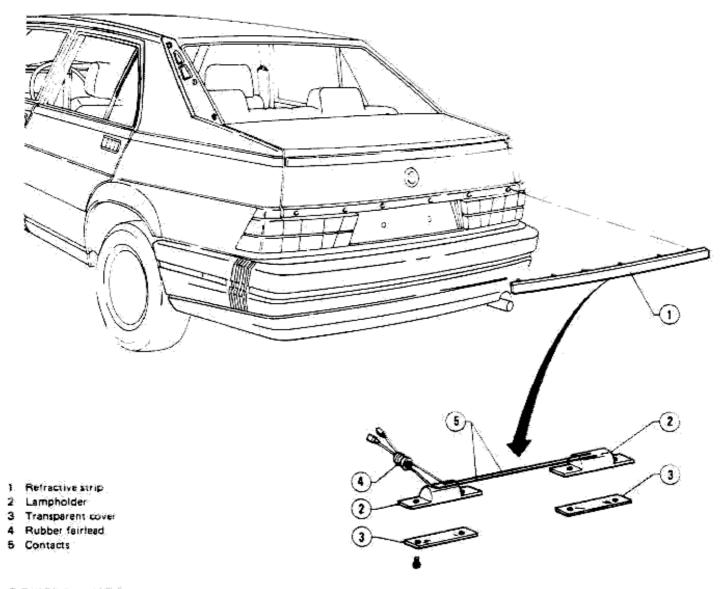


- 1 Direction indicators
- 2 Stop light
- 3 Parking light
- 4 Rear fog light
- 5 Backup light

- 1 Combination lamp
- 2 Wiring
- 3 Lever

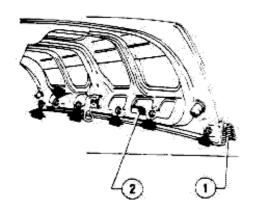
Press the bulb of the lamp to be replaced, rotate lamp and remove it

REAR REFRACTIVE STRIP AND LICENCE PLATE LIGHTS



REMOVAL AND INSTALLATION OF REAR REFRACTIVE STRIP

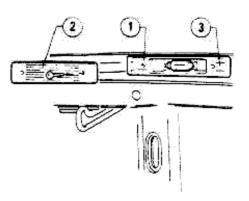
- 1. Open the trunk, disconnect wiring 2, and unscrew the six nuts securing strip 1 to trunk lid Remove the strip.
- 2. Install the refractive strip by reversing the order of removal.



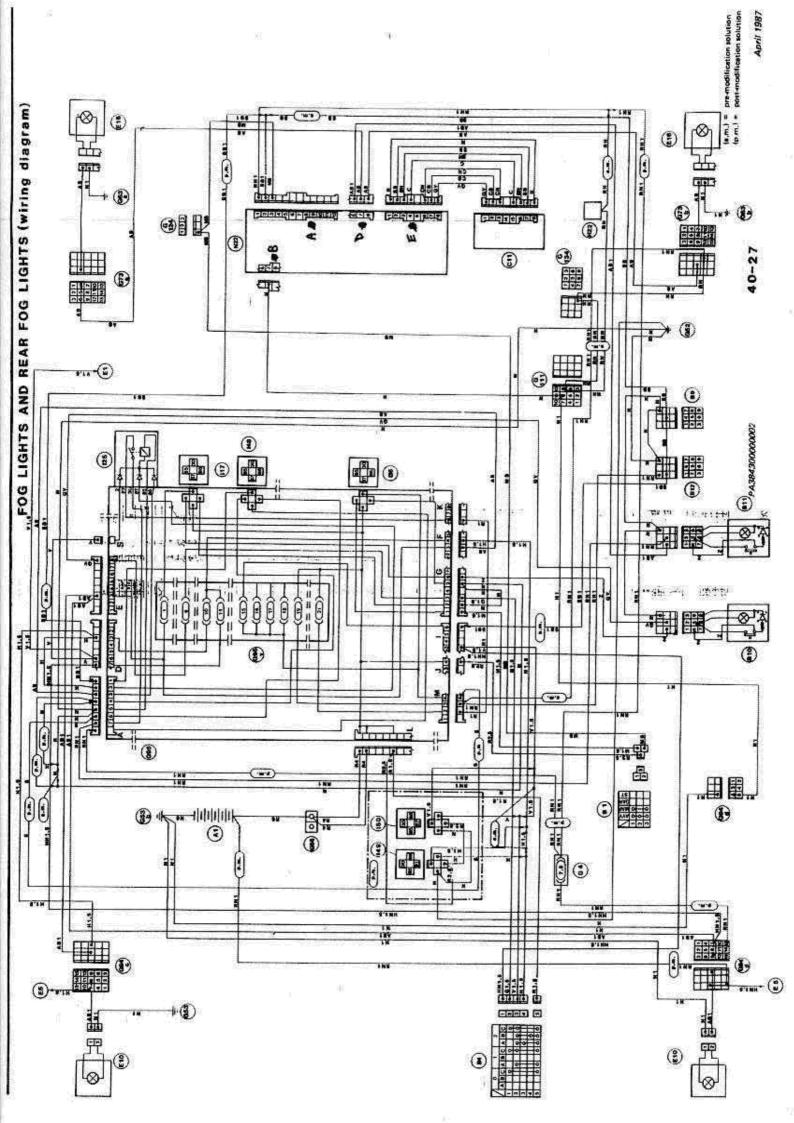
- 1 Refractive strip
- 2 Wiring

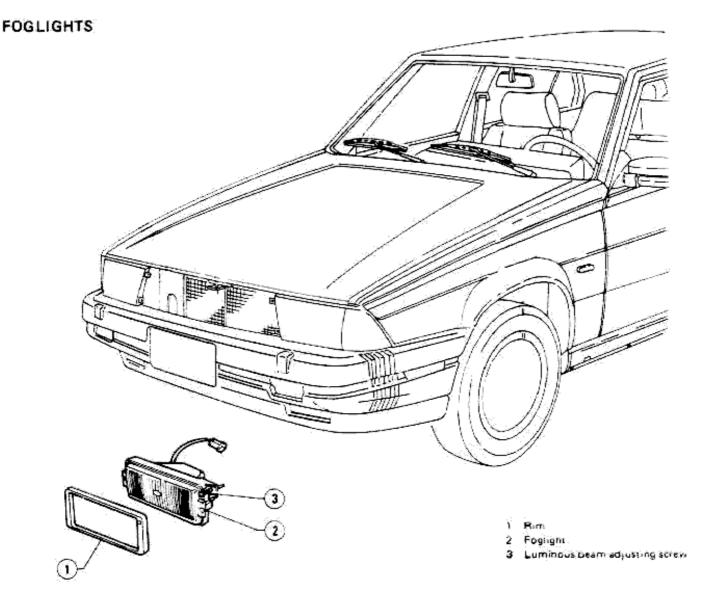
REPLACEMENT OF LICENCE PLATE LIGHTS

- Unscrew the two screws securing each transparent cover 2 and remove covers.
- Withdraw the bulb and replace it.
- 3. If required, to remove the lampholders first disconnect the wiring, then operate with a screw-driver on clip (3), and withdraw lampholders (1).



- 1 Lampholder
- 2 Transparent cover
- 3 Clip
- 4. Install lampholder by reversing the order of removal.



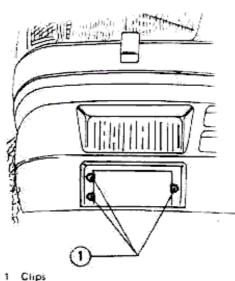


Removal and installation

With reference to the exploded view, operate as follows:

- Remove rim (1), pressure-inserted in the foglight compartment of front bumper.
- Disconnect wiring and remove the foglight, fixed with three pins, from front bumper.
- Install the foglight by reversing the order of removal.

Since clips 1 (refer to the following figure) could be damaged when removing, it is good practice to replace them when installing.

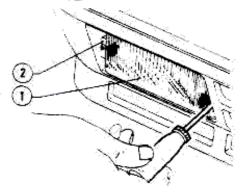


4. If necessary, adjust the luminous beam in the vertical direction, by operating on screw 3 (refer to the exploded view).

Lamps replacement

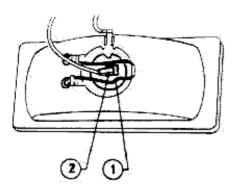
1. Remove the headlight rim (refer-

- to: Removal and Installation)
- 2. Unscrew the screws and remove the two plates 2, separating foglight 1 from rear protection



- 1 Epglight
- 2 Plates

3. Release clip 1 and carefully remove lampholder and bulb.



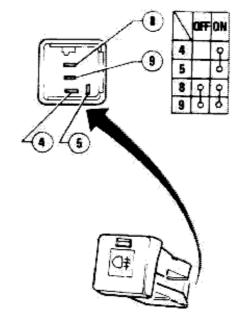
- 1 Clip securing lamphoider
- 2. Lampholder

CAUTION:

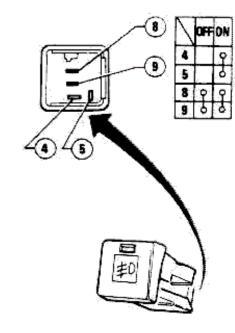
Never touch the halogen temp bulb with bare hands; if so, wash it with alcohol.

Install lampholder directing is correctly, and secure the related clip.

FOG LIGHT SWITCH



REAR FOG LIGHT SWITCH



REAR FOG LAMPS

Location

The rear fog lamps are housed in the rear combination lamps (refer to: Rear Combination Lamps).

Replacement

To replace the rear fog lamps, refer to: Rear Combination Lamps - Lamp Replacement.

Location

This switch is located on the right side of cluster.

Check

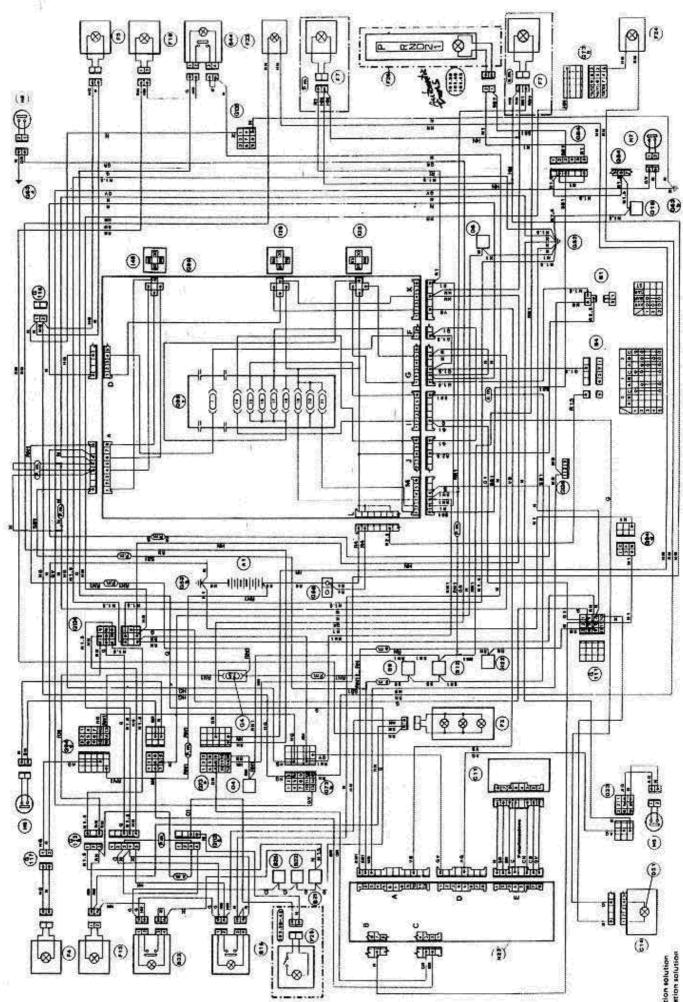
Check the switch correct functioning ensuring that the continuity between terminals occurs as per the indications given in the table.

Location

This switch is located on the right side of cluster.

Check

Check the switch correct functioning ensuring that the continuity between terminals occurs as per the indications given in the table.



INSIDE LIGHTING WITHOUT SUN ROOF (wiring diagram)

| = pre-modification solution | | |

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INSIDE LIGHTING WITH SUN ROOF (wiring diagram)

40-32

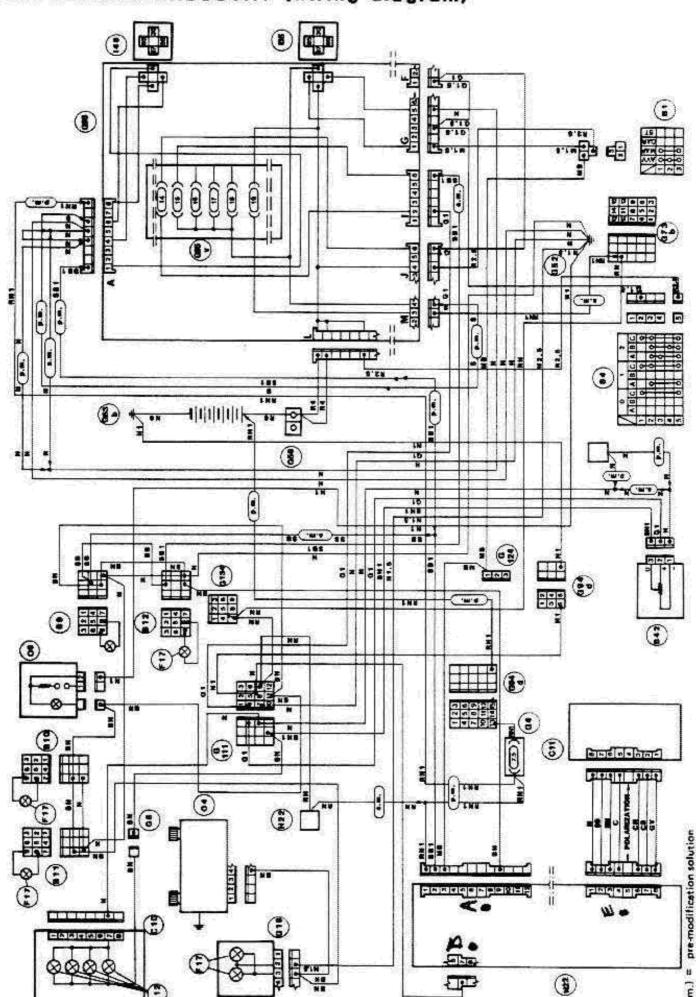
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April 1987

LAMPS UNDER RHEOSTAT (wiring diagram)

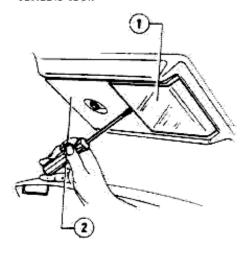


(p.m.) = post-modification solution

PASSENGER COMPARTMENT ROOF LAMP

Lamp replacement

1. Remove the transparent cover 1 which is pressure inserted in the lampholder 2, by means of a suitable tool.

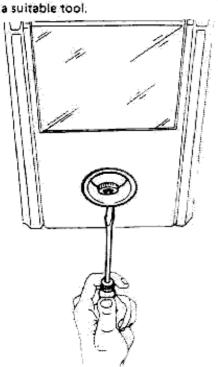


- 1: Transparent cover
- 2 Lampholder
- Withdraw and replace the faulty lamp. Reinstall transparent cover.

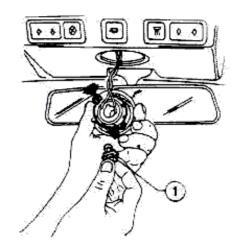
FRONT AND REAR SPOT LIGHT

Lamp replacement

 Remove the spot unit, which is pressure-inserted into its seat on the longitudinal roof panel, by means of

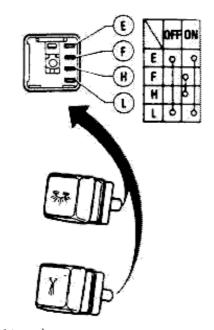


- 2. Unscrew lampholder ① and remove it from the spot light.
- Remove and replace the bulb, and install lampholder.
- If required to remove the spot light; unscrew the two screws securing the components, and separate them;



- 1. Lampholder
- Install the spot by reversing the order of removal.

SWITCHES FOR PASSENGER COMPARTMENT ROOF LAMP AND SPOT LIGHT



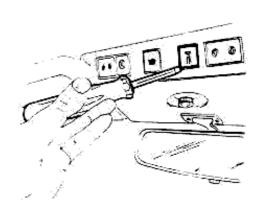
Location

The passenger compartment and spot light switches are located on the roof front panel; the central spot light switch is located on the roof central panel.

The following procedures are applicable for all switches.

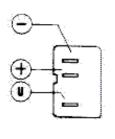
Removal and installation

- Using a suitable tool, remove the switch from its seat.
- Disconnect wiring and remove the switch;



 Install switch by reversing the order of removal, and pressure insert it into its seat.

CLUSTER RHEOSTAT



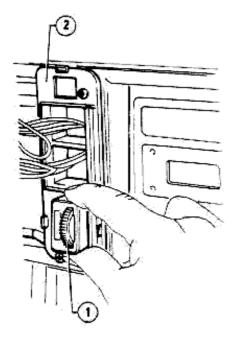


Location

It is located on the left side of cluster.

Removal and installation

- 1. Remove cover from its seat.
- 2. Withdraw rheostat 1 from rim (2).



- 1 Rheostat
- 2 Rim
- Carry out installation by reversing the order of removal.

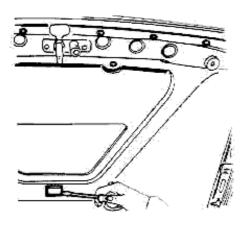
Check

With the lights on and operating or cursor, check that the brightness of the lamps under rheostat changes, if not so, replace the rheostat.

ENGINE COMPARTMENT

Lamp replacement

 Open the hood and, by means of a suitable tool, remove the transparent strip, which is pressureinserted in the hood itself.

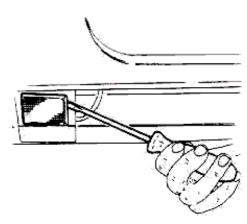


- 2: Withdraw and replace the lamp:
- Install the transparent strip by reversing the order of removal.

TRUNK LAMP

Lamp replacement

 Open the trunk and, by means of a suitable tool, remove the lampholder, which is pressure-inserted in the body.

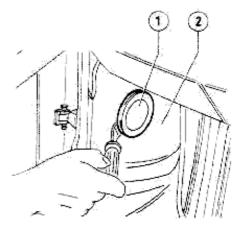


- 2. Withdraw and replace the lamp.
- Install the lampholder by reversing the order of removal.

FLOOR LIGHTING LAMP

Lamp replacement

1. Using a suitable tool, remove pressure-inserted lamphoider 1 from internal valance 2.



- 1 Lampholder
- 2 Internal valance
- 2. Extract and replace lamp:
- Reinstall lampholder by reversing order of removal.

1 (1) 3 (ED) (11.00.00.00) <u>जिल्लाक</u> 1 PH PP (1) G. **5.** ⊞∃≓ (<u>a</u>) #18(1) (1) 40-35 44 THE STATE OF 6 PA384300000002 (3) 3 ...<u>(es)</u> 3 ## B ## (2) ШÜ • rid (f 11 11 (3) 9 0 (a.m.) = pra-modification solution (p.m.) = post-modification solution (*) = from chassis No. to be defined (**) = to chassis No. to be defined

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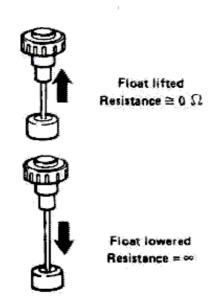
COOLANT LEVEL SENSOR

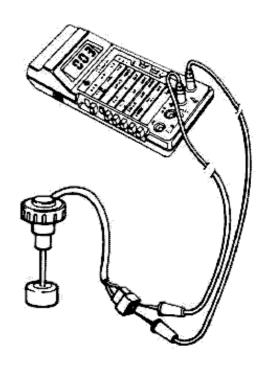
Location

It is inserted in the header tank of the cooling system.

Check

Connect a tester to the sensor connector as per the figure, and check the following resistance values.





BRAKE AND CLUTCH FLUID MINIMUM LEVEL SENDER

Location

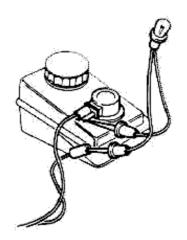
It is inserted in the brake and clutch fluid tank.

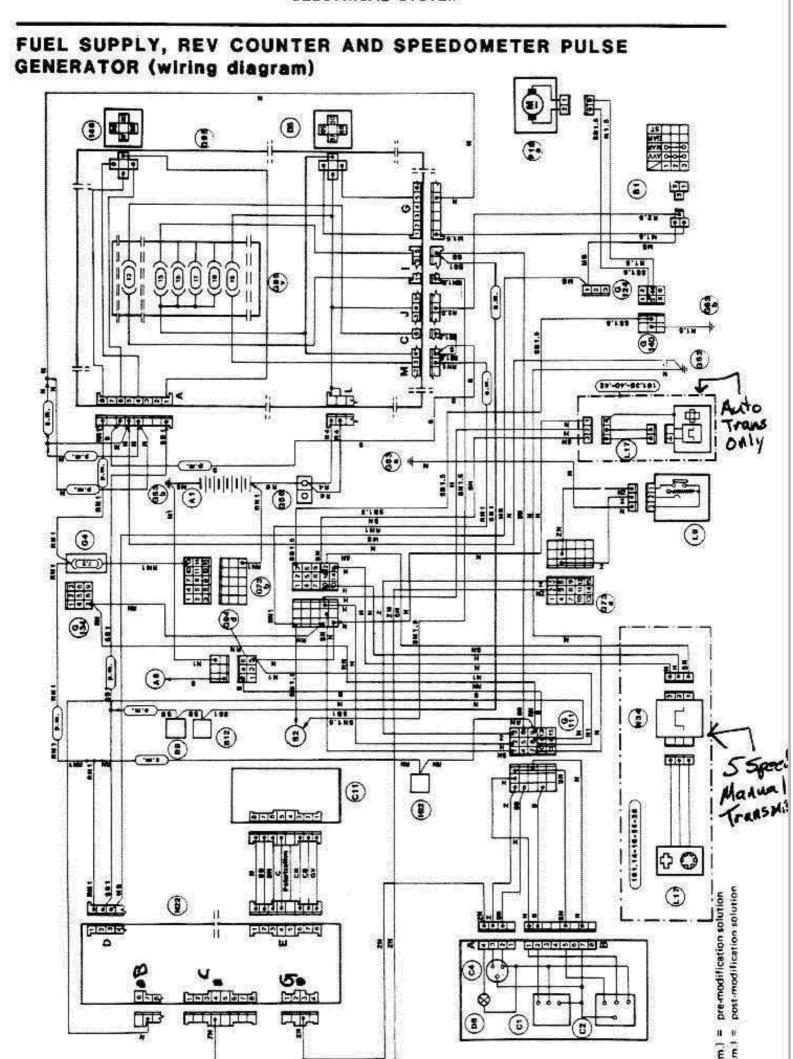
Check

Set the ignition key to the MAR position.

- Connect a warning lamp to the pins of float plug, as shown in the figure.
- 3. Check the device functions properly by checking the following.

Float lifted: warning lamp off Float lowered: warning lamp on





INJECTION CONTROL UNIT

See: Group 04 - Electrical Components:

FUEL LEVEL INDICATOR SENDER

See: Group 04 - Electrical Components.

ELECTRIC FUEL PUMP

See: Group 04 - Main components -Electric Fuel Pump.

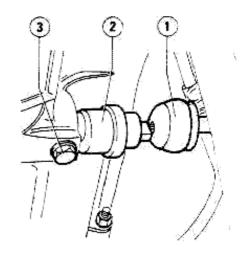
SPEEDOMETER PULSE GENERATOR

Location

It is inserted in the clutch-speed gear casing.

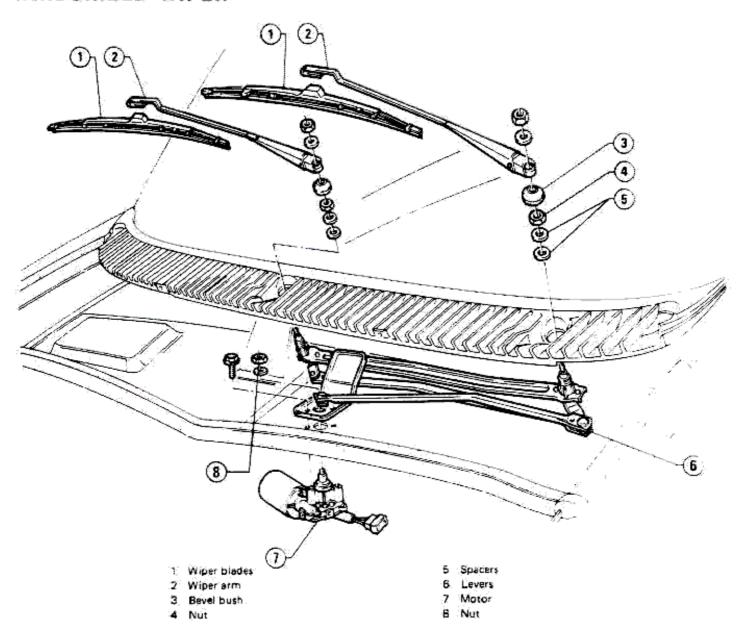
Removal

Move boot 1. unscrew the securing screw 3 and remove the speedometer pulse generator 2.



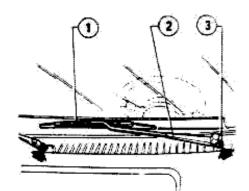
- 1 8001
- 2 Speedometer pulse generator
- 3 Securing screw

WINDSHIELD WIPER

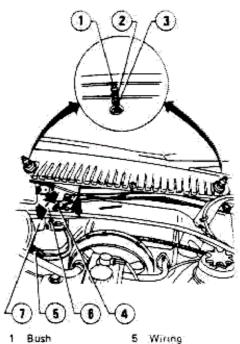


REMOVAL AND INSTALLATION

- 1. Remove blades (1) from wiper arms.
- 2. Lift the covers 3 of nuts securing wiper arms 2, unscrew the nuts and remove wiper arms.



- Open the hood and disconnect motor wiring (5).
- 4. Withdraw bush (1), unscrew nut 2 and remove it together with spacer 3.
- 5. Unscrew nut 4 which secures motor pin to linkage.
- 6. Unscrew the three screws securing bracket 6 to scuttle and motor 7. Remove both motor and windshield wiper levers.



- Bush
- Nut
- Bracket Motor
- 3 Spacer Nut

2 Wiper arm

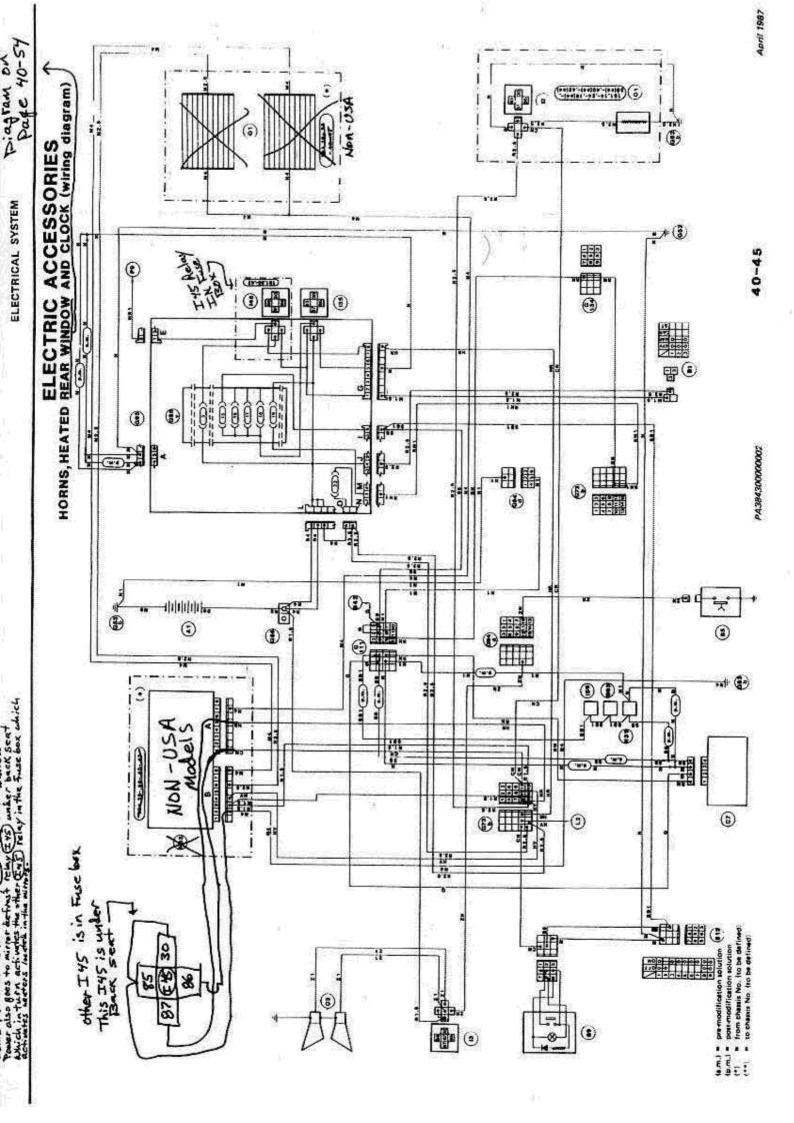
Wiper blades

3 Cover

7. Install the windshield wiper by reversing the order of removal.

TROUBLE DIAGNOSIS AND CORRECTIONS

Condition	Probable cause:	Corrective action
Windshield wiper fails to	Fuse blown	Replace fuse
operate	 Connection loosened or interrup- ted 	Restore connection
	Control contact faulty	Check combination switch unit (righ lever); replace if required
	 Foreign matter interrupts the correct movement of blades control levers 	Remove foreign matter
	Control rod disconnected	Connect control rod
•	Armishaftiseized.	Replace arm shaft
Windshield wiper operating	Short circuit of motor armature	Replace motor
speed too low	Blades worn or shaft seized	Replace blades
	Supply voltage low	Check supply
	Motor, if noisy	Replace motor
Windshield wiper fails to stop	Stopper faulty	Replace stopper
correctly	Windshield wiper motor faulty	Replace motor
Windshield wiper fails to operate intermittently but operates at	Windshield wiper control faulty	Replace combination switch unit (right lever)
low and high speeds	Circuit faulty	Check the circuit
	Intermittence device faulty	Replace intermittence device
Intermittence speed too low	Stopper faulty	Replace stopper
for proper wiping	Intermittence device faulty	Replace intermittence device
Intermittence speed too high	Line voltage lower than 10 V	Restore line voltage correct value
for proper wiping	Intermittence device faulty	Replace intermittence device
Intermittence speed changes incorrectly	Windshield wiper switch faulty:	Replace combination switch unit (right lever)
	Circuit faulty	Check circuit
	Windshield wiper motor faulty	Replace motor
	Intermittence device faulty	Replace intermittence device

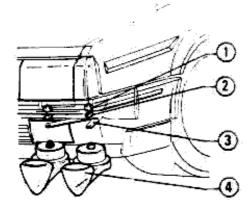


HORNS

Location

These are mounted inside the bumper on the support bracket which is positioned under the left front combination lamp.

Removal and installation



- Nut
- 2 Washer
- 3 Support bracket
- 4 Horns
- For easier operation, set the vehicle on a lift.
- Operating on the left side, inside the bumper, disconnect the wiring of both horns.
- Unscrew the nut securing horns to support bracket; remove horns.

 Install horns by reversing the order of removal.

HORNS CONTROL PUSHBUTTON

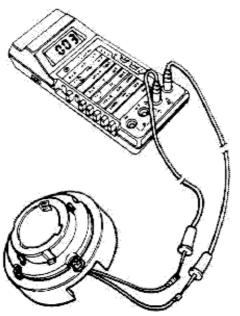
Location

It is located in the centre of steering wheel.

Check

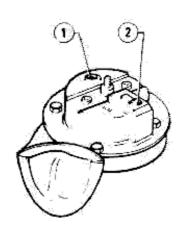
- Connect the tester tips to the pushbutton terminals, operating as per figure.
- Check the pushbutton correct functioning, ensuring the following resistance values:

Pushbutton released: ∞ Pushbutton depressed: $0~\Omega$

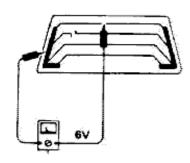


HORNS SETTING

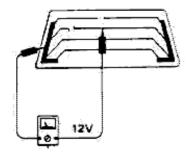
Carry out the horns setting by operating on adjusting screw (1). At the end of the operation, let a drop of paint fall on the screw to tighten it.

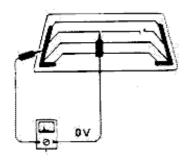


- 1 Adjusting screw
- 2 Connector

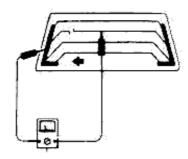


If the filament is interrupted, the voltmeter indication must be 0 or 12 Volt.





 To identify the interruption it is necessary to move the tester tip along the filament, and set in evidence the point in which the instrument index moves abruptly.



Or, after verifying that current flows properly to the heated rear window, check the filament electric continuity via the switching on of a warning lamp parallel-connected to the leads of the filament under check.

Filament repair

Tools and materials for the repair

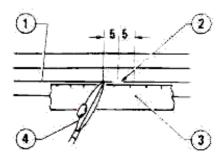
- 1. Conductor silver compound
- 2. Ruler (30 cm (11.8 in) length)
- 3. Ruling pen
- 4. Heat gun
- 5. Alcohol
- 6. Cloth

Repair

- Clean the wire and the surrounding area with a cloth soaked in alcohol.
- Put a slight amount of conductor silver compound on the ruling pen end.

Shake the silver compound box before use.

3. Position a ruler on the rear window, in correspondence with the interrupted wire and, by means of the ruling pen, lay the silver compound so as to cover the wire in the interrupted area, on both sides, for about 5 mm (0.2 in).



- 1 Filament
- 2 Interruption
- 3 Ruler
- 4 Ruling pen
- Dry the ruling pen end in order to remove the silver compoundresiduous.
- Once the repair has been carried out wait for about 10 minutes, then check the continuity of the wire concerned.

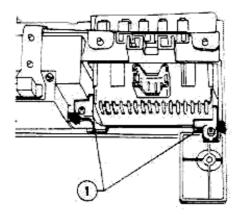
During the test, do not touch the repaired filament.

Heat the repaired area with a hot air jet for about 20 minutes, keeping the heat-gun orifice at about 3 cm.
 1.18 in) from the surface. If a heat-gun is not available, let dry for 24 hours.

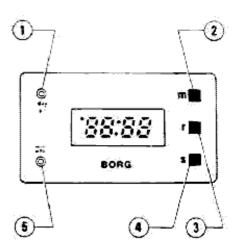
CLOCK

Location

It is inserted on the instrument panel beside the ALFA ROMEO Control display.







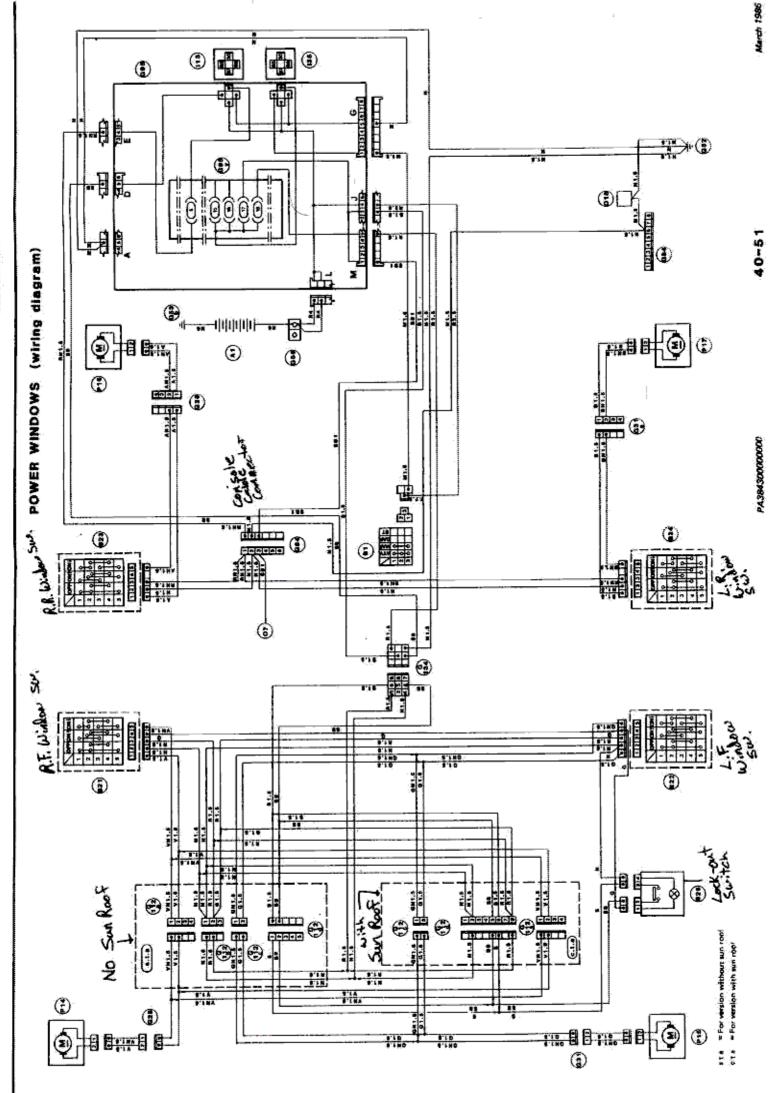
Removal and installation

- Remove the instrument panel from its seat on the dashboard.
- 2. Unscrew the two screws and remove plates (1)

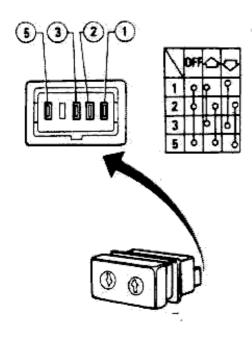
The color of the indications: displayed is green.

For easier comprehension of clock functioning, refer to the given indications and the related sequence.

- I Hour or day setting pushbutton
- 2 Function display revolver pushbutton (i.e.: press this pushbutton in sequence to obtain the functions in the sequence shown below)
 - a) Time-hour
 - b) Date
 - c) Chronometer
- 3 Chronometer reset
- Chronometer start/stop Right time setting
- 5 Month or minutes setting pushbutton



POWER WINDOWS SWITCHES



front panel.

The two switches of rear power windows, are inserted in the rear part of central console.

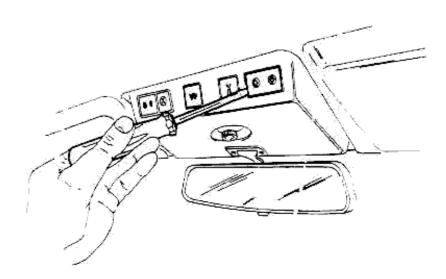
The following procedures are applicable for all switches.

Removal and installation

 By means of a suitable tool, withdraw the switch casing from its seat on the roof panel, detach wiring and remove the switch. Install the switch by reversing the order of removal, and pressureinsert it into its seat.

Check

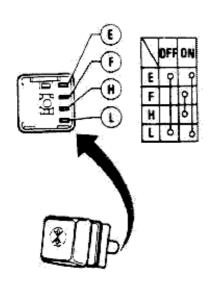
Check the switch functioning ensuring that the electric continuity between terminals occurs according to the indications given in the table.



Location

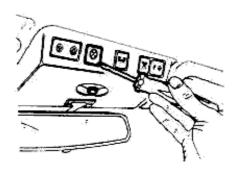
The two switches of front power windows; are inserted in the roof

INHIBITOR SWITCH FOR REAR POWER WINDOW



Removal and installation

 By means of a suitable tool, withdraw the switch casing from its seat, disconnect wiring and remove the switch.



Install the switch by reversing the order of removal, and pressure insert it into its seat.

Check

Check the switch functioning ensuring that the electric continuity between terminals occurs according to the indications given in the table.

POWER WINDOW MOTORS

Check

By means of a warning lamp check that, with the control switch in the contact position, the current flows correctly to motor terminals. If not so, replace the motor.

Location

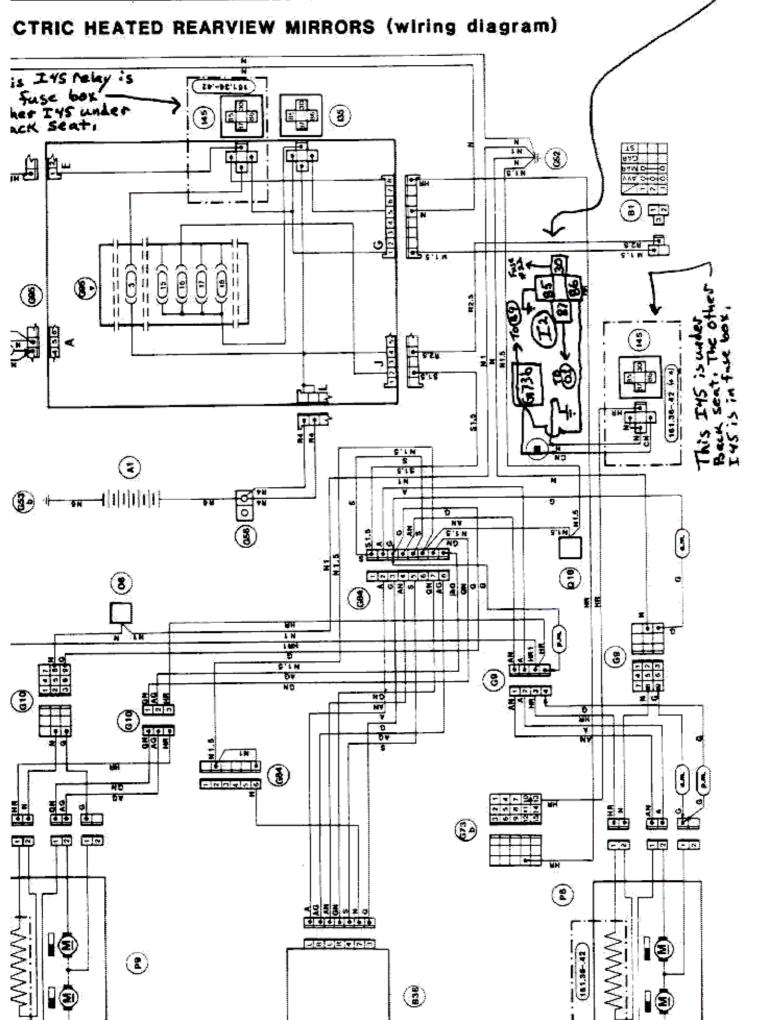
It is inserted in the roof front panel.

See Page 00-45
For details offer window circuit

(3)-Heated Partly drawn

(3)-Heated Partly drawn

(4)



DOOR - LOCK CONTROL UNIT

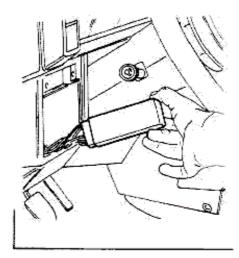
Location

This control unit is secured to the bracket inside the dashboard, above the central fusebox.

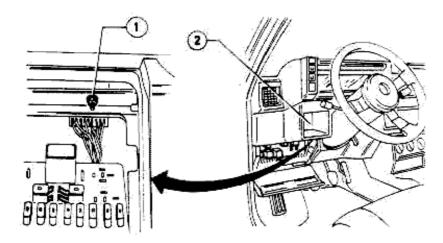
Removal and installation

- By means of a suitable tool, withdraw glove box 2 from dashboard.
- 2. Operating from inside central fusebox unscrew nut (1).

 Withdraw the door-lock control unit through the dashboard opening, in correspondence with glovebox.

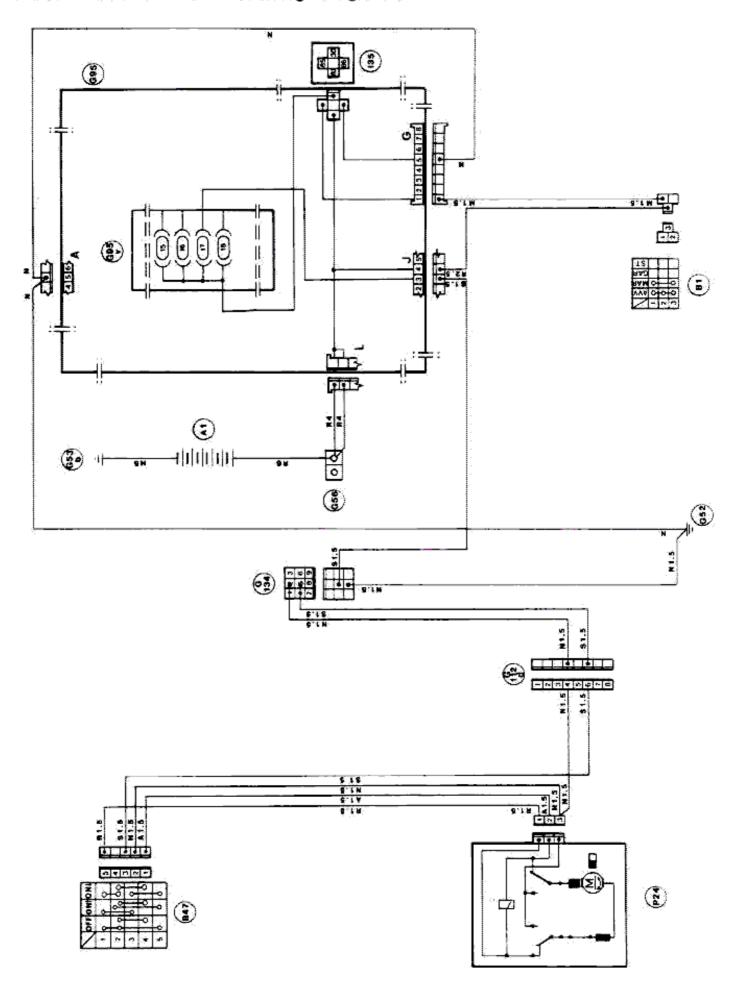


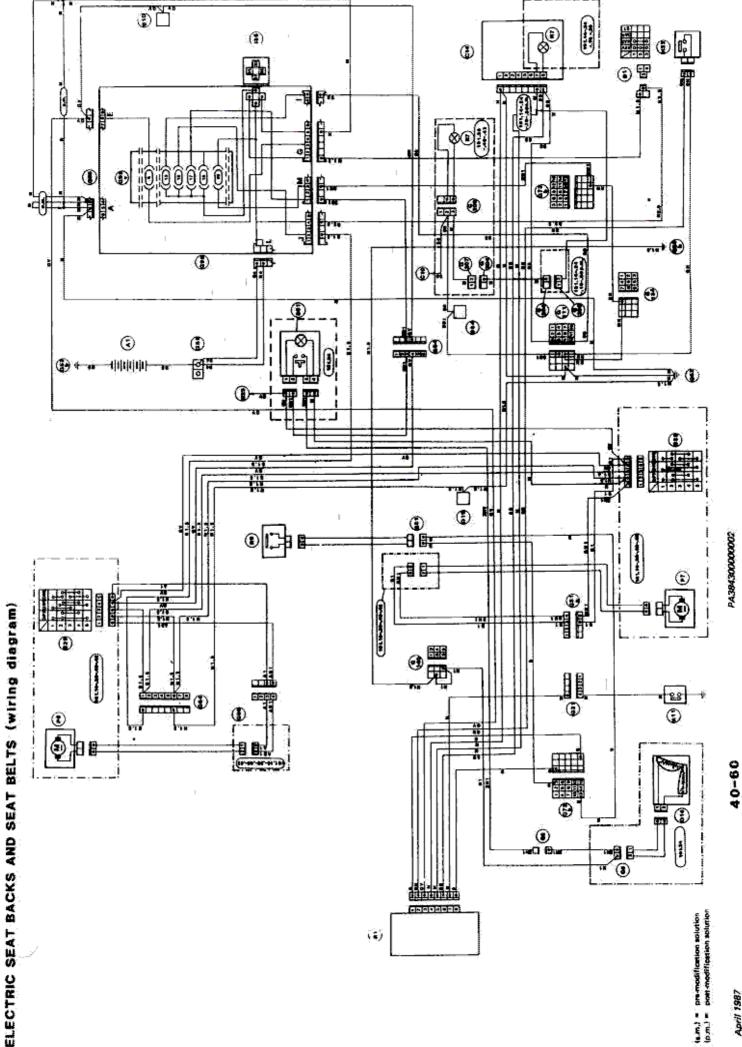
- Disconnect wiring and remove the door lock control unit, complete with related bracket.
- Install the control unit on vehicle by reversing the order of removal.



- 1 Nut
- 2 Glove box

ELECTRIC SUN ROOF (wiring diagram)





April 1987

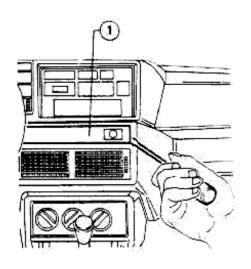
FRONT CIGAR LIGHTER

LOCATION

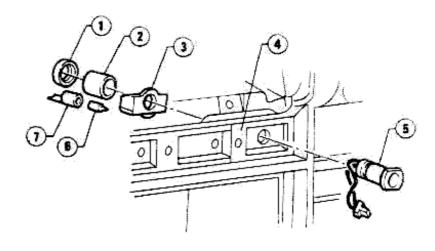
It is located on the dashboard, above the central air vents.

Removal and installation

- Withdraw cigar lighter from its seat.
- By means of a suitable tooi, withdraw panel 1 from its casing on central console, and disconnect the wiring.



- 1 Panel
- 3. Using a suitable tool, remove the central air vent support (complete with air vents).
- Operating through the air vent support compartment, disconnect wiring of both cigar lighter and lighting lamp.
- 5. With reference to the following exploded view, unscrew ring nut 1, and remove front cigar lighter body, by disassembling it.
- 6. Install the cigar lighter, by reversing the order of removal



- 1 Ring nut
- 2 Cigar tighter covering
- 3 Transparent cover
- 4 Dashboard

- 5 Cigar lighter seat
- 6 Bulb
- 7 Lampholder

Lamp replacement

- Remove central console rear part.
- Operating through the air vent support compartment, disconnect lamp wiring.
- Lift and withdraw lamphoider from its seat in the transparent cover; replace the lighting lamp.

Should the operation be difficult, disassemble the cigar lighter body (refer to: Removal and Installation) and operate on the separated transparent cover.

Install by reversing the order of removal.

Check

- 1. Remove the air vent support.
- Without detaching the wiring, check, by means of a warning lamp, that the current flows to the terminals of cigar lighter casing and check wiring good conditions.

 If the lamp illuminates, and the cigar lighter is faulty, replace only the cigar lighter. If not so, replace both cigar lighter and its casing (refer to: Removal and Installation).

REAR CIGAR LIGHTER

Location

It is inserted in the rear part of central console.

Lamp replacement

- 1. Remove central console rear part.
- Lower and withdraw lampholder from its seat in the transparent cover, and replace the bulb.
- Install by reversing the order of removal.

CONTROL SWITCHES FOR SEAT BACKS INCLINATION

Location

The switches are inserted, together with the cigar lighter, in the panel on the central console.

Removal and installation

- By means of a suitable tool, withdraw the switch casing from the related housing, taking care not to damage it.
- 2. Detach wiring and remove the switch.

Install the switch by reversing the order of removal and pressure inserting it into its housing.

Check

Check the switch functioning ensuring that the electric continuity between terminals occurs in accordance with the indications given in the table.

(1) Check the electric continuity in the two possible positions of the switch.





	OFF	O (1	N U
₩.			ှ
1	P P	0	P
j	ģ	Ç	ġ.
2	þ	Q.	ç
3	b	ď	Ġ.

SEAT BACKS ADJUSTMENT MOTORS

Check

By means of a warning lamp, verify that, with the control switch in the contact position; the current flows to motor terminals.

If not so, replace the motor.

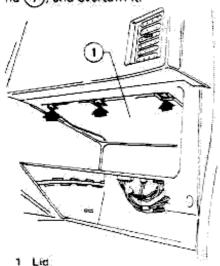
SEAT BELT CONTROL UNIT

Location

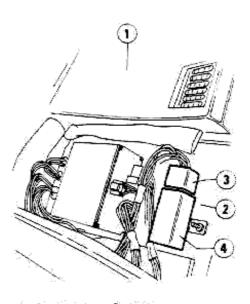
This device is located inside the dashboard, on the lid above the right glove box.

Removal and installation

Remove the glove box.
 Unscrew the three screws securing lid (1), and overturn it.



2. Unscrew the two nuts securing seat belt control unit 4, disconnect wiring 3, and remove control unit.



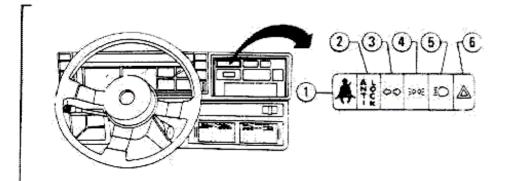
- 1 Dashboard
- 2 Lid
- 3. Wiring 4. Seat belt control unit

3. Install the device on vehicle, by reversing the order of removal:

WARNING LAMP PANEL

CAUTION:

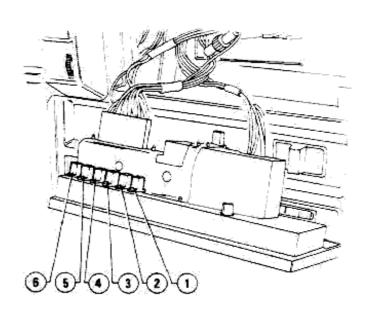
As regards the warning lamp panel wiring diagram, refer to the diagrams related to the single functions.



- 1 Sept beits warning lamp
- 2 ABS system warning lamp
- 3 Direction indicators warning tamp
- 4 Parking lights warning lamp
- 5 Full beams warning lamp
- 6 Hazard lights warning lamp

Location

The warning lamp panel is located on the instrument panel on cluster right side.



WARNING LAMPS

Replacement

- Remove the ashtray und unscrew the two screws securing ashtray seat and instrument panel to dashboard.
- 2. Remove the instrument panel without disconnecting wiring.
- 3. Rotate and remove lamphoider and replace the warning lamp

- Lampholder: for hazard tights warning lamb
- Lampholder for full beams warning lamp
- Lampholder for parking lights warning lamp
- 4 Lampholder for direction indicators warning lamp
- Carry out installation by reversing the order of removal.

- [5 Lampholder for ABS system.
 - 6 Lampholder for seat belts werning lamp.

WARNING LAMP CIRCUIT

Removal and installation

1. Remove instrument panel and disconnect wiring.

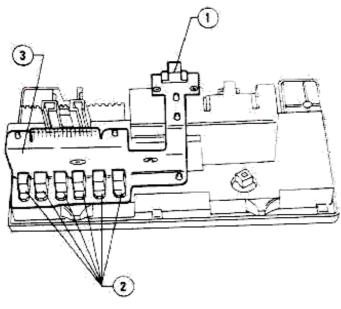
- 2. Rotate and remove warning lampholder 2, and lighting lampholder 1.
- 3. Remove warning lamp circuit (3) releasing it from the plastic

pins and lampholders seat.

 Install the lampholder circuit, by inserting terminals correctly into their seats.

CAUTION:

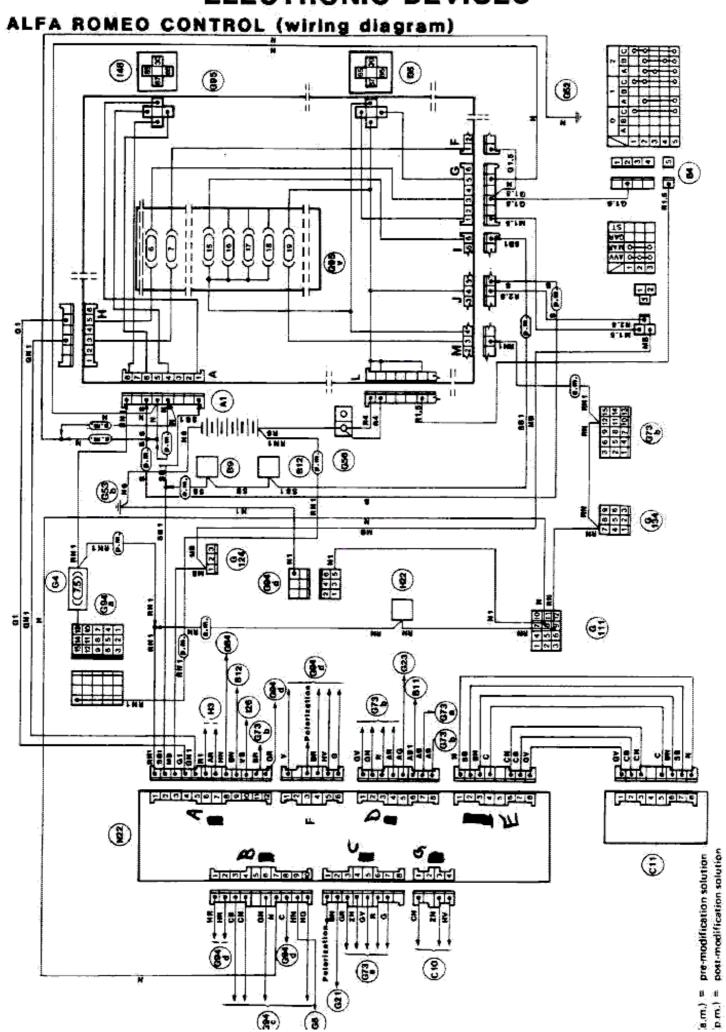
Operate carefully to prevent damaging the printed circuit board.



- 1 Lighting lampholder
- 2 Warning lampholder

Warning lamps supply execut

ELECTRONIC DEVICES

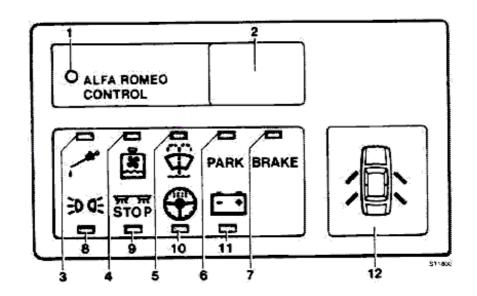


ALFA ROMEO CONTROL DISPLAY

The activated function is indicated by a red LED.

For easier comprehension of the symbols used, refer to the ALFA ROMEO Control indications.

- 1 Red alarm warning lamp disable key
- 2 General red slarm warning lamp
- 3 Engine oil fevel warning lamp
- 4 Coolant level warning lamp
- 5 Windshield washer liquid level warring lamp
- 6 Parking brake efficiency warning lamp
- Brake oil level and pad wear warning lamp
- 8 Parking/rear fog fights efficiency warning temp



- 9 Stop lights efficiency warning lamp
- Cluster warning lamps efficiency warning lamp
- 11 Generator efficiency warning lamp
- 12 Door lock efficiency warning lamp

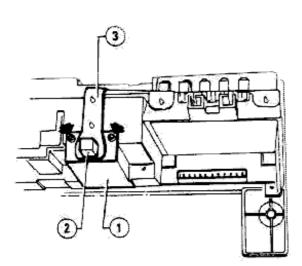
Location

The ALFA ROMEO Control display is housed on the instrument panel, on cluster right side.

Removal and installation

- Remove instrument panel and disconnect wiring.
- 2. Remove clock (refer to: Clock Removal and Installation):
- 3. Rotate and remove lighting lampholder (2)
- 4. Unscrew the two screws shown in the figure and remove transparent cover 1, taking care to avoid damaging printed circuit board 3.
- Remove the warning lamp circuit (refer to: Warning Lamp Panel
 Warning Lamp Circuit).

ing display 1 to instrument panel 2.



- 2 THE STATE OF THE
 - 1 ALFA ROMEO Control display
 - 2 Instrument panel
 - Separate display from panel, recovering the transparent cover.
 Install display by reversing the order of removal.

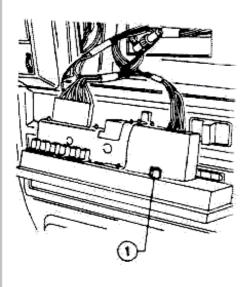
Take care to position the transparent cover correctly.

- 1. Transparent cover
- 2 Lighting lampholder
- 3 Warning lamps circuit

- 9. Carry out the final device inspection.
- 3. Install panel by reversing the order of removal.

Replacement of general alarm warning lamp

- 1. Remove instrument panel without disconnecting wiring.
- 2. Rotate and remove lamphoider 1, and replace the bulb.



 General alarm warning lamp lampholder

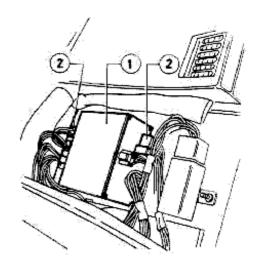
ALFA ROMEO CONTROL CONTROL UNIT

Location

It is housed inside the dashboard on the lid above the right glove box.

Removal and installation

- Unscrew the screws securing the lid and overturn it (refer to: Electric accessories Seat belt control unit).
 Unscrew the two nuts securing
- 2. Unscrew the two nuts securing control unit 1, disconnect wiring 2, and disconnect control unit.



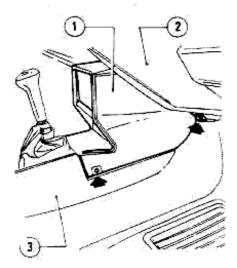
- 1 ALFA ROMEO Control control unit
- 2 Wiring
- 3: Carry out installation by reversing the order of removal.
- 4. Inspect the device (refer to Group 43 ALFA ROMEO Control)

CRUISE CONTROL

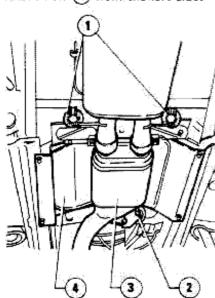
CONTROL UNIT

Removal and installation

1. Unscrew the four screws securing the radio console 1 to central console 3 and dashboard 2, and remove radio console.

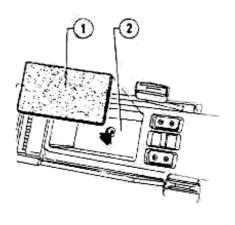


- 1 Radio console
- 2 Dashboard
- 3 Central console
- 2. For vehicles fitted with automatic transmission, proceed as follows:
- a. Raise the vehicle on a lift.
- b. Unhook support rings 1 securing the central part of the exhaust pipe, and unscrew bolt 2.
- c. Unscrew the screws securing heat shield 4, pull catalytic converter 3 downwards and slide out heat shield 4 from the left side.

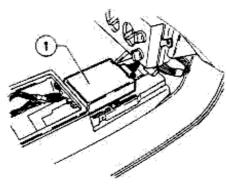


- 1 Support rings
- Rubber bushing bolt securing from of exhaust pipe
- 3 Catalytic converter
- 4 Heet shield

- d. Unhook the lower ball joint of the speed selector lever, then lower the vehicle and remove the lever, working from the inside of the passenger compartment.
- 3. Remove trim 1 and unscrew the screw securing the rear part of central console to the body. Remove rear part 2, and disconnect the wiring.



- Trim
- 2 Rear part of central console
- Unscrew the two screws securing control unit 1 and remove it, disconnecting the wiring.



- Control una
- Reinstall by reversing the removal procedure.

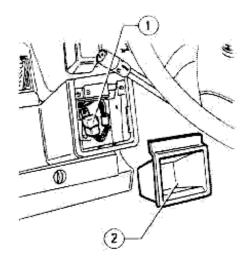
RELAY

Location

The relay is located behind the dash panel to the left of the steering column.

Removal and installation

- 1. Remove glove box profile (2) located to the left of the steering column.
- Unscrew the securing screw, remove relay 1 and disconnect it from the wiring.

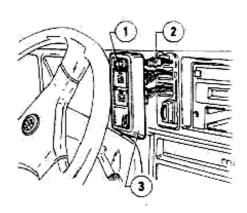


- Cruise control system relay.
- 2 Glove box profile:

PUSHBUTTONS

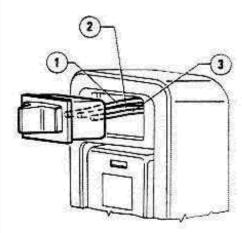
Removal and installation

- Remove pressure-inserted frame
 from the instrument panel.
- 2. Disconnect connector (2)
- 3. Remove pushbutton (1) from frame (3).



- Pushbutton
- 2 Connector
- 3 Frame

 4. Reinstall by reversing the removal procedure, taking care to position the pushbutton correctly on the frame in accordance with the electric cable colour code as listed below.



Acc set/dec set pushbutton

Cable pos	ition	Colour
Left	0	Grey-green
Central	2	Pink-white
Right	3	Grey-yellow

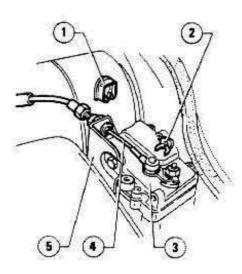
Off/resume pushbutton

Cable position		Colour
Left	0	Blue-black
Central	2	Pink-white
Right	3	Grey-red

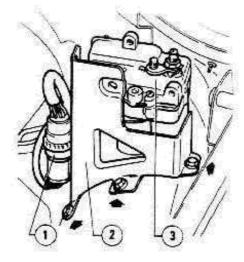
ACTUATOR

Removal and installation

1. Unhook retaining rings 1 and 2, disconnect the end of cable 4 from lever on actuator 3, and release the cable from bracket 5



- Retaining ring securing sheath
- 2 Retaining ring securing cable and
- 3 Actuator
- 4 Cable
- 5 Bracket
- Unscrew the two screws securing the washer reservoir, and move it forwards a few centimeters.
- 3. Disconnect connector 1 of the actuator and release it from the plastic clamp.
- 4. Unscrew the three screws indicated in the figure and remove bracket 2 together with actuator 3.



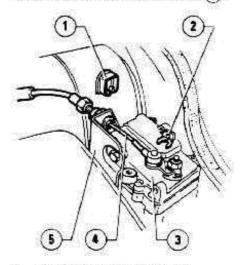
- Connector
- 2 Bracket
- 3 Actuator

b. Unscrew the three screws securing the actuator to the support bracket and separate. Reinstall the actuator by reversing the order of removal, then adjust the control cable (see: Actuator cable - Adjustment).

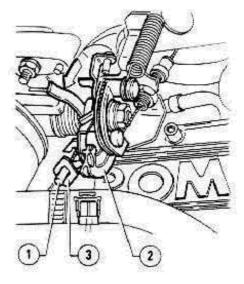
ACTUATOR CABLE

Removal and installation

1. Unhook support rings ① and ②, disconnect the end of cable ④ from lever on actuator ③, and release the cable from bracket ⑤



- Retaining ring securing sheath
- 2 Retaining ring securing cable end
- 3 Actuator
- 4 Cable
- 5 Bracket
- 2. Rotate accelerator control carri (2), extract plastic clip (3) and slide out cable (1) sideways.

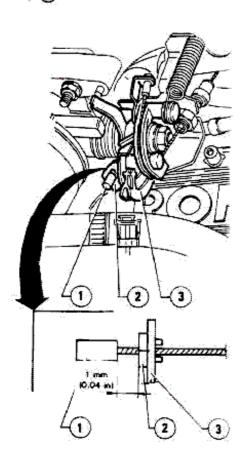


- Actuator cable
- 2 Accelerator control cam:
- Plastic clip

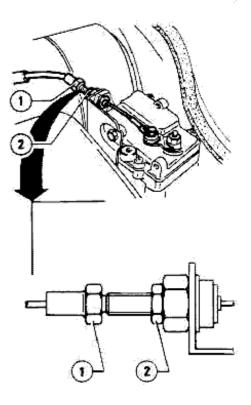
- Remove the cable together with sheath, sliding it out from under the air intake box.
- Reinstall the cable by reversing the order of removal, then adjust the control cable (see: Adjustment).
- 2. If the value is not the same as that specified, loosen lock nut (2) and unscrew or tighten tie rod (1) until the value specified in step 1, is obtained. Relock lock nut (2).

Adjustment

1. With accelerator control cam 3 in the rest position, check there is a backlash of 1 mm (0.04 in) between the travel end detent 1 and plastic clip 2.

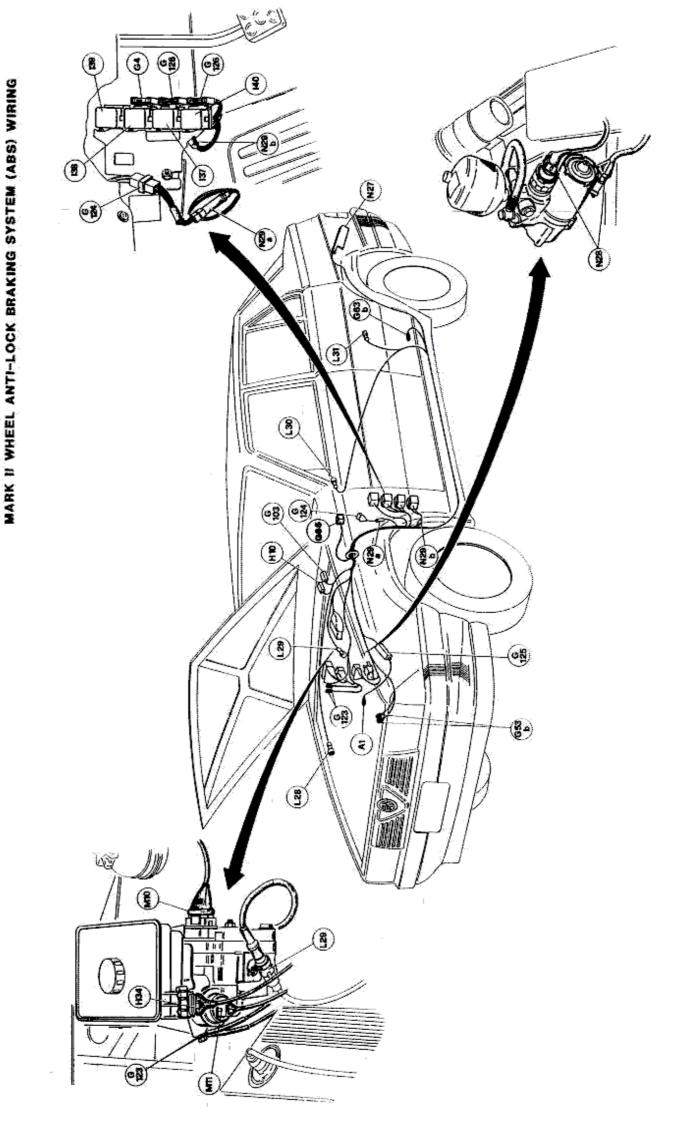


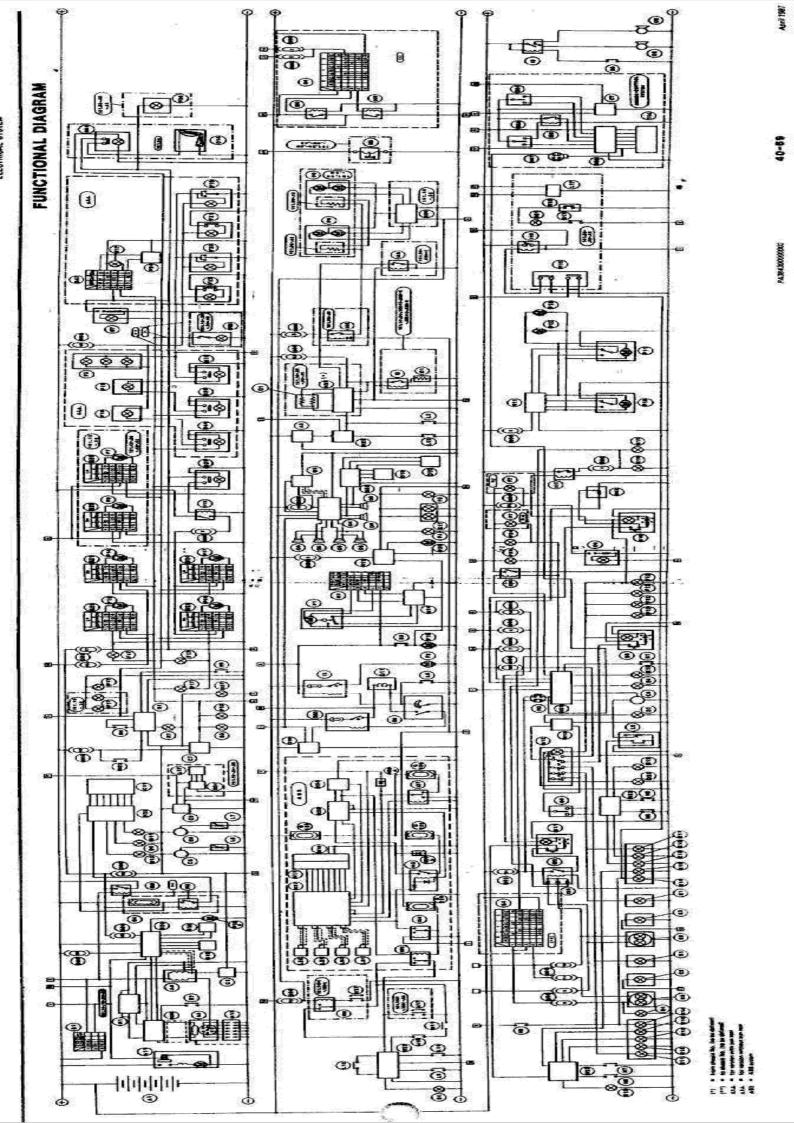
- 1 Cable and detent
- Plastic clip
- 3 Accelerator control cam



- Adjustment tie rod
- 2 Lock nut

WIRING





KEY TO WIRING DIAGRAM

		and their	
A	STARTING - CHARGING	842	Lamp dimmer rheostat
		B43	Internal control switch for door unlock
AI	Battery	B44	Rear spot light control switch
A2	Alternator	B45	Identification light control switch
A3	Alternator with integral electronic voltage regulator	B46	Two note horns - normal horns control switch
A4	Voltage regulator	B47	Sun roof motor control switch
A5	Ignition distributor	FB48	Intercom system control switch
A5a	Ignition distributor A	B49	Speak/listen changeover switch
A5b	Ignition distributor B	850	Siren control switch
A6	Pulse generator	B51	Driver's seat heater control switch
A7	Rotor		**SOURTE-0.4350 NOROSSESSESSESSESSESSES
A8	Ignition coil		
ASA	Ignition coil A	C:	INSTRUMENTS
ASb	Ignition coil B	-57,00	CONTRACTOR CONTRACTOR
A9	Coil resistor	C1	Electronic rev counter
A10	2-way connector for con-	C2	Electronic speedometer
A11	Starter motor	C3	Voltmeter
A12	Spark plugs	C4	Fuel level gauge
A13	Pre-heating glow plugs	C5	Oil pressure gauge
A14	Alternator cable terminal board	C6	Coolant temperature gauge
100		C7	Clock
		C8	Space free for instrument
В	MANUAL ELECTRIC CONTROLS	C9	Turbocharger air pressure gauge
100	WANDAL ELECTRIC CONTROLS	C10	
1964	wheels and reds is	C11	Cluster (*)
81 B2	Ignition switch Windscreen wiper control switch	13250	ALFA ROMEO Control display
83		C12	
80	Windshield washer and/or headlamp wash/wipe: pump	C13	Optoelectronic cluster
raktion i	control switch	C14	Warning lamp panel
84	Control switch for side lights, flashing, low/full beam headlamps	(-1	C10 A/B/C/D/E/F Cluster connectors
85	Horn control switch		ne was surficience and of oil on Albert
86	Direction indicators control switch	D.	WARNING LAMPS
87	Low beam flashing control switch		ANN IV., I., Ac.,
88	Full beam flashing control switch	D1	Alternator charge warning lamp
B9	Heated rear window control switch	D2	Direction indicator warning lamp
B10	Fog lamp control switch	D3	Side light warning lamp
B11	Rear fog lamp control switch	D4	Full beam warning lamp
812	Road hazard lights control switch	D5	Brake fluid low level warning lamp
B13	Passenger compartment front roof tamp control awitch	D6	Heater/ventilation warning lamp
B14	Passenger compartment rear roof lamp control switch	D7	Handbrake warning lamp
815	Passenger compartment roof lamp control switch	DB	Fuel reserve warning lamp
B16	Cluster lighting dimmer rheostat	D9	Choke warning lamp
B17	Gearbox oil level warning lamp switch	D10	Handbrake ON - brake fluid level warning lamp
B18	Door lock control switch on front right door	D11	Engine oil minimum pressure warning lamp
B19	Door lock control switch on front left door	D12	Pre-heating glow plug warning lamp
B20	Interior door locking switch	D13	Engine coolant high temperature warning lamp
B21	Front right power window control switch	D14	Maximum air pressure warning lamp
B22	Front left power window control switch	D15	Minimum fuel pressure warning lamp
B23	Rear right power window control switch	D16	Free warning lamp
824	Rear left power window control switch	D17	Gear position warning lamp
825	Rear power window inhibitor switch	D18	Manual injection advance warning lamp
B26	Rear power window and rear digar lighter inhibitor switch	D19	Brake pad wear warning lamp
B27	Front seat height control switch	D20	Rear drive engagement warning lamp
B28	Front left backrest control switch	D21	ALFA ROMEO Control warning lamp
B29	Front right backrest control switch	D22	Heated rear window warning lamp
B30		D23	그 사용 하다 회에도 있는 일 회의에 있는 데 하면에 다른 사람이 되고 있다. 사람이 얼마나 없다.
B31	Door mirror control switch Antenna control switch	D24	Hezard lights warning lamp Rear tog light warning lamp
11700000000	- 14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-P.A.G.375	NEXP (NOVEM)
B32	Windshield wesher pump control	D25	Fog light warning lamp
B33	Front spot light switch	D26	Injection diagnosis warning lamp
B34	Rear left spot light switch	D27	A.B.S. system warning lamp
B35	Rear right spot light switch	D28	Identification light warning lamp
B36	Door mirror double control switch	D29	Ignition diagnosis warning lamp tentiknocking
B37	Parking light control switch		
B38	Rear window wiper control switch	220	and the second of the second of
639	Trip odometer recall microswitch	E	EXTERNAL LIGHTS

E1 Front direction indicator

B41 VF electronic rheostat

E	EXTERNAL LIGHTS (continued)	612	Financia Company Control of the Cont
E2	9274-0-000 ECO 200-00 5880 (MARCH 1998-000) P221		Connector between board wiring and courtesy mirror switch
E3	Front side light Front direction indicator and side light	G13	인 가게 다니면 시크 (MET) 가게 되는 것이라면 있다. 이 필요(MET) 이 보고 있는 사람들이 보고 있다. 이 기계를 하는 것이라고 있는 사람들이 없다.
E4	Front side marker light	G15	3-way connector between board wiring and door wiring.
E5	Low beam light	G16	2 way connector between board wiring and door wiring 6-way connector between board wiring and door wiring
E6	Low beam light with incorporated side light	G17	Connector between board wiring and door wiring
E7	Full beam light	200.00	wiring
EB	Low and full beam light	G18	Connector between board wiring and front left door wiring
E9	Side repeater	G19	Connector between board wiring and passenger compart
E10	Fog light	4.151	ment roof lamp
E11	Rear direction indicator	G20	Connector for front right door - locking motor
E12	Rear side marker light	G21	[H. [2] 12] 12] 12] 12] 12] 12] 12] 12] 12] 1
E13	Rear parking light	G22	Connector for front left door - locking motor
E14	Reversing light	G23	Connector for front left door wiring
E15	Stop light	G24	Connector for rear right door - locking motor
E16	Rear fog lamp	G25	Connector for rear right door wiring
E17	Numberplate tight	G26	Connector for rear left door - locking motor
E18	Stop and rear side tight	G27	Connector for rear left door wiring
E19	Rear right light	G28	Connector between front right door wiring and power
E20	Rear left light		window switch
E21	Inspection light	G28a	Connector between rear right door wiring and power
E22	Identification light	o rene la	window switch
		G29	Connector between door lock wiring and rear power windows
F.	INTERIOR LIGHTS	G30	Connector for power windows and door lock
		G31	Connector between front left door wiring and power
F1	Passenger compartment front roof lamp	655231	window switch
F2	Passenger compartment rear roof lamp	G31a	Connector between rear left door wiring and power window
F3	Passenger compartment roof lamp	-	świtch
F4	Engine compartment lamp	G32	Connector between console wiring and rear right door
F5	Luggage compartment lamp	000	wiring
F6	Door open signalling light		Connector between console wiring and rear left door wiring
F7 F8	Fuse light	G34 G35	Connector for power window supply cable
F9	Heater/ventilation controls lighting lamp	020	Connector between rear wiring and rear right tail light wiring
F10	Glovebox light Ashtray light	G36	Connector for power window switch cables
F11	Map light	G37	Connector for combination switch on steering column
F12	Cluster light	G38	Connector for air conditioner wiring
F13	Front spot light	G39	Connector for clock
F14	Rear right spot light	G40	
F15	Rear left spot light	G41	Connector for tachymetric switch - rev counter pulse
F16	Ignition switch light		generator
F17	Switch illumination light	G42	Connector between alternator and min engine oil pressure
F18	Rear spot light		switch
F19	Passenger compartment (out lamp - right side	G43	Connector for hester/ventilation control cables
F20	Passenger compartment roof lamp - left side	G44	Connector for rear fog lamp
F21	Reading spot light with switch - right side	G45	Connector for headlight wash/wipe cables
F22	Reading light with switch - left side	G46	Connector for headlights
F23	Floor lighting lamp on right internal valance panel	G47	Connector for right side - repeater cables
F24	Floor lighting lamp on left internal valance panel	G48	Connector between electric door mirror and left side -
F25	Vanity mirror roof lighting on sun visor	attender.	repeater cables
F26	Transmission lever panel lighting lamp	G49	Connector available
H.		G50	Provision for loud speaker cables
19223		G51	Provision for car radio cables
G.	FUSEBOX - CONNECTORS - GROUNDS	G52	
المتعور	neglected Auto-Anthro	G53	Engine compartment ground
G1	Fusebox		Engine compartment ground - right side
G2	Auxiliary fusebox	G54	Engine compartment ground - left side
G3	Fusebox terminal	- J. 1855 15 J	Passenger compartment ground - right side
G4 G5	Free fusebox		Passenger compartment ground - left side
G6	Multiple connector Business	G55	Valance panel ground
G7	Multiple connector R - cluster Multiple connector R - cluster	G56	Branch terminal board
G8	Single connector	G57	Provision for fuel cut-off solenoid valve
G9	Connector between front left door wiring and door mirror	G58	Connector for cigar lighter
43	switch	G59	Connector for electric door mirror
G10	Connector between front right door wiring and door mirror	G60	Injection wiring ground
Philippine .	switch	G61	Connector for ignition coil
G11	Connector between board wiring and rear wiring	G62	Clutch switch connector

G:	FUSEBOX - CONNECTORS - GROUNDS (continued)	G99e Connector for engine dashboard (E)
	(hardesvalles elette	G100 Connector for console - doors wiring
G63	Rear ground Rear right ground	G101 Trip Computer connector
	Rear left ground	G102 Optoelectronic cluster connector G103 Connector for grounds and brakes fluid tank
G64	Connector for Trip Computer - clock	G104 Connector for roof panel left pillar
G65	Coaxial cable	G105 Connector for ashtray lamp
G66	Motronic wiring ground	G106 Seat grounds
G67	Motronic connector	G107 Connector for fuel pump
G68	Connector A with board wiring	G108 CEM wiring ground
G69	137.47 T. J.	G109 Injection wiring ground
G70 G71	Connector C with board wiring	G110 Thermostat housing ground
G72	Connector for warning lamp on instruments Connector for seat back adjustment wiring	G111 Connector for dashboard instruments wiring G112a Connector A for roof wiring
G73	Connector for rear services	G112b Connector B for roof wiring
CONTRACTOR OF THE PARTY OF THE	Connector for right rear services	G112cConnector C for roof wiring
	Connector for left reer services bound Free Ton-Top Left	G112d Connector D far roof wiring
G74	Connectors between Televel rear wiring and ALFA ROMEO	G112e Connector E for roof wiring
	Control	G113 Connector for front left-hand tender
G75	Connector between right and left roof panel services	G114 Connector for outside temperature sensor
G76	Connector for roof panel services - right side	G115 Connector for tow bar vehicle socket
G77 G78	Connector for roof panel services - left side Connector for front door services wiring	G116 Connector for tow bar trailer plug
G79	Connector for rear door services wiring	G117 Connector for engine compartment lamp
G80	Connector for board wiring	G118 Connector for luggage compartment lamp
G81	Connector for front left seat back adjustment	G119 Connector for vanity mirror roof lamp
G82	Connector for front right seat back adjustment	G120 Connector for map reading lamp G121 Connector for vehicle wiring
G83	Rear connector for fast idle device	G122 Connector for ignition wiring
G84	Console cable connector	G123 Pedal assembly ground
	Console cable connector (15 way)	G124 Connector for A.B.S. system
G85	Console cable connector (12-way) Front services connector	G125 A.B.S. system free fuse holder
G86	Connector for passenger compartment root lamp	G126 Fuse protecting A.B.S. system relays
G87	Connector for rear door - locking motors	G127 Free fuse holder for identification lights
GB8	Connector for rear tail lights	G128 Free fuse holder for transceiver
G89	Intermediate connector A	G129 Connector for two-note horns - normal horns in angine compartment left side
G90	Intermediate connector B	G130 Switches connector
G91	Rear door sensors ground	G131 Ground on upper cover
G92	Luggage compartment ground	G132 Ground on manifold
The state of the s	Windshield frame upper cross member ground Engine compartment connector	G133a Electronic injection - ignition wiring connector A
ARTERIOR STATE	10-way connector for engine compartment	G133b Electronic injection - ignition wiring connector B
2000000000	8-way connector for engine compartment	G134 Left front pillar connector
	Engine compartment connector - right side	G135 Rear window shelf wiring connector G136 Front side marker intermediate connector
	Engine compartment connector - left side	G137 Injection supply wiring connector
G95	Central fusebox	G138 Headlights - combination switch connector
\$5.000 E.W.	Connector for switches	G139 Intercom system control unit connector
	Connector for switches	G140 Gasoline pump attachment to floor services
	Connector for cluster warning lamps	intermediate connector
	Connector for ALFA ROMEO Control Connector for console	G141 Intermediate connector for rear sidemarker
	Connector for fog light - rear fog light	G142 Engine services connector
	Connector for combination switch	G143 Central bulkhead ground
	Connector for LH interface	G144 Beckdoor wiring connector
G951	Connector for RH Interface	H: SWITCHES
G95L	Connector for clock - rheostats	
400000000000000000000000000000000000000	Connector for sun - roof	H1 Handbrake switch H2 Reversing light switch
	Connector for battery	H3 Stop light switch
	Connector for ignition switch Connector for door services	H4 Passenger compartment roof lamp switch on pillar
	Connector for performance gauge	H5 Left front door open indicator switch
	Connector for heated rear window	H6 Right front door open indicator switch
	Connector for cluster	H7 Left rear door open indicator switch
G95V	Fuses	H8 Right rear door open indicator switch
	Single connector for ALFA ROMEO Control - cluster	H9 Right front brake pad switch
G97	Connector for left doors services	H10 Left front brake pad switch H11 Right rear brake pad switch
	Connector for right doors services	H11 Right rear brake pad switch H12 Left rear brake pad switch
	Connector for engine dashboard (A) Connector for engine dashboard (B)	H13 Choke switch
2220	~~ \$2 CBC T4 CBC 1100 \$1.0 T4 BBC T4 BBC T5	
G99c	Connector for engine dashboard (C)	H14 Injection advance switch

G99d Connector for engine dashboard (D)

H15 Gearbox oil low level switch (magnetic bulb)
H16 Starting and back-up inhibitor switch

H:	SWITCHES (continued)	146	Siren retay
200		147	Oil radiator electric fan relay
H17	Brake fluid minimum level check switch	148	Key - operated relay for ALFA ROMEO Control
H18	Fast-idle switch in gearbox	149	and instruments Lo - beam relay
H19	Low fuel pressure switch	150	Hi - beam relay
H20	Inertia switch	L.30	A STATE OF THE STA
H21	Clutch pedal fast idle switch	L	SENDERS
H22	Ignition microswitch Engine compartment lamp switch	L1	Low fuel pressure sender
H24	Luggage compartment lamp switch	L2	Low oil pressure sender
H25	Glovebox light switch	L3	Max air pressure sender
H26	Contact switch on rear door for rear window wiper	L4	Thermal switch for engine cooling electromagnetic coupling
H27	Contact switch on rear door for heated rear window	L5	Thermal switch for engine coolant max temperature warning lamp
H28	Carburettor contact/switch	L6	Thermal switch for engine cooling electric fan
H29	Switch for rear drive engagement warning lamp	L7	Engine coolant temperature gauge sender
H30	R.p.m activated microswitch	L8	Oil pressure gauge sender
H31 H32	Switch for idle r p.m. adjusting screw on carburettor Microswitch on carburettor for inserting timing variator	L9	Fuel level gauge sender
H33	Numberplate lights contact switch	L10	Sender for engine coolant temperature gauge and max tem-
H34	A.B.S. system brake fluid tank switch		perature warning lamp contact
H35	Fuel pre-heating filter thermal switch	L11	Retarded rotor arm out-out pressure switch
H36	Diesel fuel post-heating microswitch	L12	Engine oil level sensor
ř.		L13	Windscreen washing liquid level sensor Engine coolant level sensor
	100000000	L15	**************************************
I.	RELAYS	L16	Rev counter pulse generator
5.0	(Albanib serior Whateverseem)	L17	Speedometer pulse generator
11	Engine cooling fan relay Heated rear window relay	L18	Load sender
12	Horn relay	L19	External temperature sensor
14	Headlamp wiper relay	L20	Photoelectric cell
15	Auxiliary relay for headlight wiper timer	L21	Pierburg valve (Solenoid valve regulating the supercharging
16	Fast idle relay		pressure)
17	Fuel pipe closing relay	L22 L23	· 프라마이트 시청합니다.
18	Relay excluding retarded rotor arm	L24	Coolant temperature sensor for ignition advance adjustment
19	Glow plug relay	L25	Thermal switch for engine coolant temperature
110	Starter inhibitor relay	L26	Vacuum sensor
111	Front power window and seat raising relay Front power window relay	L27	Temperature sensor
113	Rear power window relay	L28	Front right brake sensor
114	Brake fluid automatic warning lamp control relay	L29	Front left brake sensor
115	Low fuel pressure warning light relay	L30	Rear right brake sensor
116	Headlight relay	L31 L32	Rear left brake sensor Supercharging air pressure sender
117	Fog light relay	[L33	Two-level thermal switch
118	Double contact relay		TWO total that man Printers
119	Headlight washer pump relay	M:	SOLENOIDS - SOLENOID VALVES
120	Beam changeover relay		40000000000000000000000000000000000000
121	Full beam exclusion relay Low beam exclusion relay	M1	Fuel cut-off solenoid valve
123	Supplementary engine cooling fan relay	M2	Injection pump solenoid valve
124	Direction and hezard lights relay	M3	Solenoid with injection pump fue: cut-off microswitch
125	Rear fog light relay	M4	Fast idle solenoid
126	Roof lamp relay	M5 M6	Engine stop solenoid Fuel pipe closing solenoid
127	Seat height adjustment relay	M7	Door opening/closing salenoid
128	Hazard lights relay	M8	Auxiliary air device (for A/C equipped car)
129	Fuel pump relay	MS	Pierburg salenoid valve (for idle r.p.m.)
130	Relay with CEM diode Front power windows/heater relay	M10	Brake fluid adjustment valves
131	Advance variation control unit relay	M11	Main A.B.S. valve
133	Carburator microswitch relay		
134	Rear fog light exclusion relay	7860	ELECTRONIC DEVICES INTERMITTENCES TIMERS
135	Key operated supply relay	N:	ELECTRONIC DEVICES - INTERMITTENCES - TIMERS
136	Relay for brake wear and liquid level	N1	Electronic ignition module
137	Relay for A.B.S. system control unit	EN1a	Electronic innition module A
138	Auxiliary A.B.S. system relay	N1b	Electronic ignition module B
139	Brake fluid level warning lamp relay	N2	Connector for Marelli module
140	A.B.S. system brake fluid pump relay Two note horns - normal horns relay	N3	Capacitor for electronic ignition
142	Two note harns relay	N4	Connector for Bosch module
143	Inspection temp relay	N5	Tachymetric switch device
144	Fuel pre heating device relay	N6 N7	Pre heating glow plug timer
	Extremel remains mission defention relay	1	Trip Computer

N8

ALFA ROMEO Control

145 External rearview mirrors detrosting relay

1	N.	ELECTRONIC DEVICES - INTERMITTENCES - TIMERS	P16	Rear right power window motor
		(continued)	P17	Rear left power window motor
			P18a	Electric fuel pump
	N9	Brake pad wear control unit	P18b	
	NIO	Roof lamp timer	P19	A CONTRACTOR OF A CONTRACTOR O
	N11		20.7	Windscreen washer pump
	77.	Door lock control unit	P20	Headlamp washer pump
	V12	Headlamp wiper timer	P21	Rear window wiper motor
	V13	Road hazard and direction indicators intermittence	P22	Rear window washer pump
	114	Electronic windscreen wiper intermittence	P23	Supplementary engine cooling ten motor
	V15	Electronic windscreen wiper intermittence and warning light control	P24	Sun roof motor
	V16	Tachymetric control unit	P25	Oil radiator electric fan
	V17	Trip control unit for fuel flow	_	Committee of the Commit
	V18:	Electronic device for headlamps and flashing switching		
	V19	Performance gauge control unit	Q.	HEAT/VENT - AIR CONDITIONING SYSTEM
	V20	Advance variation control unit	-	metariani and adding a divide
		The state of the s	Qt	Heater/ventilation electric fan
	121	Power module		The state of the s
	122	ALFA ROMEO Control control unit	Ω2	Pneumatic pushbutton control for air conditioning
	123	Ignition control unit	Q3	Pneumatic pushbutton control for ventilation
	124	Pulse converter	Q4	Heater/ventilation electric fan control
	125	Rear fog light device	Q5	Heater/ventilation blower fan speed adjustment resistance
N	126	Brake pad wear warning lamp intermittence device	Q6	Switch on flap for enabling heater blower fan
	127	A.B.S. system control unit	Ω7	Fluid thermostat
	128	Brake fluid pump device	Ω8	Electromagnetic coupling pressure switch
	129	Free diods holder connection	09	Minimum pressure switch
		Free diode holder connection A	10.5	
			010	Meximum pressure switch
		Free diode holder connection B	Q11	Compressor electromagnetic coupling
	130	Two-note horns control unit	Q12	Thermal switch for exclusion of compressor
١	131	Fuel pre-heating device		electromagnetic coupling
Ŋ	132	Headphones connection control unit	013	Supplementary conditioner fan
- N	133	Sectored heated rear window defrost control unit	014	Relay for supplementary conditioner far and
N	134	Pulse generator control unit		electromagnetic compressor coupling
Ń		Coding control unit	Q15	
_ `		intercom system control unit	016	Relay for simultaneous control of engine copling fan
- "	ij,	intercom system control onit	210	그 경우 그는 그를 가는 그는 그를 가는 그를 가는 그를 가는 것이다.
			017	and supplementary fan
_		Appear of the Conference	41.7	Relay for simultaneous control of engine
C):	ANCILLARY EQUIPMENT		cooling electromagnetic coupling and supplementary fan
			018	Heater
,C	71	Heated rear window	019	Air conditioner
, C	2	Horn	020	Min and max-pressure switch (Trinary)
C	3	Electrically-operated antenna		
C)4	Radio		
		Speaker	B:	SAFETY DEVICES
	F-5	Cigar lighter		
_	_	Rear cigar lighter	87	Seat belt device
	1	Two-note horns	R2	Catalytic converter temperature indicator
	7	<u> </u>	R3	
- 17	17.	Transceiver	no	Thermocouple for catalytic converter temperature
_		Rear headphones		detection
[C)1 t	Siren.	R4	Unfastened seat belt buzzer
0	112	External loudspeaker - microphone	R5	Open door buzzer
C	13	Internal loudspeaker - microphone	R6	Mileometer
l c	114	Driver's seat heating peds	R7	Seat belt warning lamp
_		- · · · · · · · · · · · · · · · · · · ·	R8	30,000 mile warning lamp
			R9	Switch on seat belts
			R10	Catalytic converter maximum temperature warning lamp
F) :	ELECTRIC MOTORS	R11	
			K I-1	Front left door switch for seat belt device
	1	Windshield wiper motor		
	2	Engine cooling fan motor		
P	3	Engine cooling fan electromagnetic drive	S:	ELECTRONIC FUEL INJECTION
P	4	Headlamp wiper motor		
P	5	Front left seat adjustment motor	51	Injection control unit
	6	Front right backrest adjustment motor	\$2	Relay set
	7	Front left backrest adjustment motor	53	Injectors
	8		54	Cold start-up electroinjector
		Motor for electric door mirror - right side	S5:	Air flow sensor
	9	Motor for electric door mirror - left side		
	10	Front right door locking motor	S6	Accelerator throttle switch
£	11	Front left door locking motor	\$7	Engine coolant temperature sensor
P	112	Rear right door locking motor	SB	Thermo-time switch
F	13	Rear left door locking motor	\$9	Auxiliary air device
	14	Front right power window motor	510	Lambda sensor
	15	Front left power window motor	\$11	Motronic Control unit
,			-	

S	ELECTRONIC FUEL INJECTION (continued)	\$17b	CEM control unit black connector
		\$18	Throttle angle sensor
S12	Motronic relay	S19	Hali sensor
\$12a	Fuel pump Motronic relay	520	Deton sensor
\$12b	Motronic relay with diode	\$21	Throttle actuator
S12c	Timing variator device Motronic relay	\$22	Injector terminal
S12d	Auxiliary Motronic relay	S23	Injector resistor
\$13	Timing sensor	\$24	Injector terminal board
514	Rev sensor	\$25	Autodiagnosis connector
\$15	Timing variator device	\$26	Injection system
\$16	Altitude compensation device	S27	Lambda sensor resistance
\$17	CEM control unit	\$28	Injection control relay
\$17a	CEM Control unit white connector	S29	Minimum adjustment actuator

APPENDIX

	Cruise control "OFF" - "RESUME" switch Cruise control "SET ACC" - "SET DEC" switch	G206	instrument connector for antiskid and seat belt warning lamp signals (automatic transmission)
G203	Intermediate dashboard connector for transmission oil level signal	G207	Intermediate instrument connector for antiskid and seat belt werning lamp signals (automatic transmission)
G204	Intermediate dashboard connector for antiskid and seat belt warning lamp signals	H37 159	Pushbutton ON clutch pedal Cruise control "OFF" switch auxiliary relay
G205	Intermediate dashboard connector for antiskid, seat	M14	Cruise control actuator
	belt and transmission oil level warning lamp signals	N39	Cruise control unit